

Dell PowerVault MD3 Storage Array Series

The Dell™ PowerVault™ MD3 Series is affordable, reliable and versatile to meet a variety of storage requirements. Whether you need to consolidate your storage, support the demands of data intensive applications, or optimize your virtual environments, the MD3 Series has been designed to meet your growing business needs. The versatility of the MD3 Series lets you decide the protocol, supports a wide range of drive types, and has many optional premium software features that you can add as you choose.

Keeping pace with the latest technology

The new 16Gb Fibre Channel, 10GbE iSCSI and 12Gb SAS controllers offer the latest technology in high-speed connectivity. The MD3 models offer improved performance and double the existing bandwidth.¹ Your data should be available when you need it. The MD3 Series offers 8GB cache on dual controller options in SAS, iSCSI or Fibre Channel providing up to 16GB total cache per array. The next generation of MD3 has the efficiency you need to meet your demanding I/O requirements. You get high availability and high performance without sacrificing ease of use.

Gain a new level of management efficiency

The MD Storage Manager software, an intuitive client-based Java application, manages the MD3 Series arrays. Designed for easy user interaction, it offers two different management paths, and features an enterprise window that monitors multiple systems through a single interface.

The multiprotocol MD Storage Manager can manage all administrative tasks, including configuration, reconfiguration, expansion, maintenance and performance tuning, and can be performed without system downtime or interruption to array performance. MD Storage Manager's configuration flexibility includes the ability to mix RAID levels, segment sizes, array sizes and cache policies all within a single storage array.

Versatile options your way

Reduce the effort required to store and manage your data. The MD3 Series is available in 12 x 3.5" hard drive or 24 x 2.5" hard drive form factors, or in the high-density enclosure that holds up to 60 x 2.5" or 3.5" hard drives. And because your storage needs are almost guaranteed to grow, capacity can be added as you need it. The 12- and 24-drive form factors can scale up to 192 drives² when attached to the PowerVault MD1200 or MD1220 expansion enclosure. The 60-HDD array can expand to 180 drives² with its own, specially designed high-density enclosure.

Reliable storage is enhanced with software features that provide added data protection, improved virtualization and ease of management. With optional remote replication and enhanced snap features, your data can be protected at any

global location. The integration of VMware VAAI helps improve performance where you need it, freeing your server from storage related tasks.

Data management is simplified with dynamic disk pools (DDP). DDP has been designed to improve storage efficiencies with self-healing dynamic disk rebalancing, without the worries of traditional RAID configurations. Other feature enhancements include thin provisioning and SSD cache, which help improve performance when combined with the high-performance tiering (HPT) option.

Premium features are now bundled into two options. One option is designed to support the high demand for performance, and includes the HPT feature. If protecting data is a priority, then the pre-packaged Data Protection features ensure the full suite of premium data protection options are

High bandwidth, smaller footprint

The MD3 family includes the high-density enclosure with built-in HPT. If your industry is manufacturing, oil/gas, healthcare or video surveillance, the MD3 has the high bandwidth that you need to manage your data.

The high-density enclosures take up less space than if you purchased the smaller form factor enclosures with an equal number of hard drives by using just 4U. With this smaller footprint comes the added benefit of saving on power and cooling expenses.

Reliable storage to meet a variety of business requirements

Dell PowerVault MD3 Series technical specifications

2017/11
чл.2 33ЛД

Feature	MD3 SAS	E-T	MD3 Fibre Channel
Number of drives/form factor	12/2U: MD3800f/MD3800i/MD3400 24/2U: MD3820f/MD3820i/MD3420 60/4U: MD3860f/MD3860i/MD3460/MD3060e		
Drive types	SAS, NL-SAS, SSD, SED		
3.5" drive options ²	SAS 15K RPM: 300GB, 450GB ³ , 600GB ³ NL-SAS 7.2K RPM: 500GB, 1TB ³ , 2TB ³ , 3TB ³ , 4TB ³ , 6TB, 8TB, 10TB SAS 10K RPM: 600GB SSD: 200GB, 400GB, 800GB (WI); 400GB, 800GB, 1.6TB (MU); 800GB, 1.6TB (RI) (available with 3.5" HDD carriers)		
2.5" drive options	SAS 15K RPM: 146GB ³ , 300GB ³ , 600GB ³ SAS 10K RPM: 146GB, 300GB ³ , 600GB ³ , 900GB ³ , 1.2TB ³ , 1.8TB NL-SAS 7.2K RPM: 500GB ³ , 1TB ³ , 2TB SSD: 200GB, 400GB, 800GB (WI); 400GB, 800GB, 1.6TB (MU); 800GB, 1.6TB (RI)		
Expansion capabilities ⁴	Up to 192 drives using MD1200 and/or MD1220 expansion enclosures: MD3820f/MD3800f/MD3820i/MD3800i/MD3420/MD3400 Up to 180 drives using MD3060e dense enclosures: MD3860f/MD3860i/MD3460		
Connection	4 x 12Gb SAS	2 x 10GBASE-T iSCSI and 2 x 12Gb SAS ports per controller	4 x 16Gb Fibre Channel and 2 x 12Gb SAS ports per controller
Host connectivity	Single controller: supports up to 4 servers directly connected; Dual controller: supports up to 8 servers directly connected in a non-HA configuration or 4 servers in a HA configuration	Single or Dual controllers support up to 64 servers on 12-drive and 24-drive 2U arrays Dual controllers on dense 60-drive 4U arrays Single controller: 2GB, 4GB cache Dual controller: 2GB, 4GB, 8GB cache	
RAID levels	Support for RAID levels 0, 1, 10, 5, 6; Up to 180/192 ⁴ physical disks per group in RAID 0, 10; Up to 30 physical disks per group in RAID 5, 6; Up to 512 virtual disks; RDP ⁵		
Dynamic Disk Pools ⁵	DDP available on all models, separate or parallel to traditional RAID		
OS support	Microsoft® Windows®, VMware®, Microsoft Hyper-V®, Red Hat® and SUSE®		
Optional premium features			
Snapshots	Up to 128 snapshots per virtual disk and 512 per system (optional on all models)		
Snapshots plus VDC	511 VDCs in sum but maximum 8 simultaneous VDCs on the array (optional on all models)		
HPT	Standard on MD3860f, MD3860i, MD3460		
Remote Replication	Asynchronous and synchronous remote replication		
Array Management	Modular Disk Storage Manager		
Physical dimensions			
Height x width x depth	MD3800f/MD3800i/MD3400i: 8.68 cm (3.42") x 44.63 cm (17.57") x 56.1 cm (22.09") MD3820f/MD3820i/MD3420: 8.68 cm (3.42") x 44.63 cm (17.57") x 50.8 cm (20") MD3860f/MD3860i/MD3460/MD3060e: 17.78 cm (7.0") x 48.26 cm (19.0") x 82.55 cm (32.5")		
Maximum weight	MD3800f/MD3800i/MD3400: 29.3kg (64.59 lb) MD3820f/MD3820i/MD3420: 24.2kg (53.35 lb) MD3860f/MD3860i/MD3460/MD3060e: 105.24kg (232 lb)		
Rails	MD3 2U versions support Dell ReadyRails™ II static rails for tool-less mounting in 4-post racks with unthreaded round holes or tooled mounting in 4-post threaded-hole racks		
Environment			
Power	Wattage: MD3 2U versions support DC power supply MD3 2U models — AC: 600W peak output; DC: 700W MD3 dense models — AC: 1755W		
Heat dissipation (max)	MD3 2U models: 2047 BTU/hr — MD3 dense models: 5988 BTU/hr		
Voltage	MD3 2U models: 100V to 240V AC; 48V DC — MD3 dense models: 220V AC, auto ranging		
Frequency range	50/60Hz		
Temperature	Operating: 10° to 35°C (50° to 95°F) with a maximum temperature gradation of 10°C per hour MD3 2U models support Fresh Air cooling, up to 35°C		
Relative humidity	Operating: 20% to 80% (non-condensing) with a maximum humidity gradation of 10% per hour		
Altitude	MD3 2U models: Operating: -16 m to 3048 m (-50 ft to 10,000 ft) (For altitudes above 2950 ft, the maximum operating temperature is derated 1°F/550 ft) MD3 dense models: Operating: -30.5 m to 3000 m (-100 ft to 9,840 ft) (For altitudes above 2950 ft, the maximum operating temperature is derated 1.8°F/1000 ft)		
OEM-ready version available on certain models	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit Dell.com/OEM.		

чл.2 33ЛД

¹ Based on the current MD34xx models.
² 10K and 15K 3.5" HDDs are not supported on MD3 Dense arrays.
³ SED available.
⁴ Expansion beyond 120 drives is based on the purchase of a premium feature for additional drives.
⁵ MD34x0, MD38x0i, and MD38x0f arrays are limited to a maximum of 20 DDPs per array.

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.**

Simplify Your Storage at Dell.com/PowerVaultMD3.

©2016 Dell Inc. All rights reserved. Dell, the DELL logo, the DELL badge, PowerEdge, and PowerVault are trademarks of Dell Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. This document is for informational purposes only. Dell reserves the right to make changes without further notice to any products herein. The content provided is as is and without express or implied warranties of any kind. **Leasing and financing provided and serviced by Dell Financial Services L.L.C. or its affiliate or designee ("DFS") for qualified customers. Offers may not be available or may vary in certain countries. Where available, offers may be changed without notice and are subject to product availability, credit approval, execution of documentation provided by and acceptable to DFS, and may be subject to minimum transaction size. Offers not available for personal, family or household use. Dell and the DELL logo are trademarks of Dell Inc. SS695_PowerVault_MD3_Family_SS_081016



КОНТРА
АД
1

чл.2 33ЛД

чл.2 33ЛД

2016
чл.2 33ЛД



WYSE 3040 THIN CLIENT

Quad-core performance on a budget

Equipped with twice the number of CPU cores, the Wyse 3040 is capable of supporting light multitasking and basic productivity. This cost-effective endpoint features hardened, optimized Wyse ThinLinux as well as virus-resistant Wyse ThinOS.

Remarkably compact, the Wyse 3040 is Dell's smallest and lightest thin client* and comes with flexible mounting options for space constrained environments. It is also the most power efficient thin client, within its class. It consumes less than 4 watts of energy and is adept at offering many years of efficient, secure and high-performance service.



Flexible connectivity

The Wyse 3040 can connect to a variety of virtual desktop brokers including Citrix XenDesktop and XenApp, VMware Horizon, and Microsoft RDS right out of the box. It offers great multimedia capabilities, and essential protocol and peripheral support including optional PCoIP that enables connection to Amazon WorkSpaces (AWS). The Wyse 3040 includes a range of connectivity options including two DisplayPort interfaces, four USB ports, one of which is USB 3.1, as well as wired and wireless network connections

Easy to manage, highly scalable

The Wyse 3040 thin client is highly manageable through Wyse Device Manager (WDM) and Wyse Management Suite. Administration easily scales from just a few to tens of thousands of thin clients.

With Wyse thin clients, customers get a complete services portfolio including Deployment Services, ProSupport¹ and Accidental Damage Service², and end-to-end support throughout the product lifecycle.

* Based on Dell internal analysis, March 2017.

Learn More: Visit www.dell.com/wyse

Ask a Dell expert:
<https://marketing.dell.com/t2d-wyse>

Dell Cloud Client-Computing Sales
1-800-438-9973
CCC_sales@dell.com

чл.2 33ЛД

КОНТРА
АД 1 чл.2 33ЛД

10011
чл.2 33ЛД

WYSE 3040 THIN CLIENT SPECIFICATIONS

OPERATING SYSTEM	Wyse ThinOS, Wyse ThinOS with PCoIP Wyse ThinLinux
CPU	Intel® Atom x5-Z8350 (Quad Core 1.44 GHz)
GRAPHICS	Built-in Graphics controller. Three independent frame buffers. DirectX 11.1 compatible, OpenGL 4.3, OpenCL 1.2, OpenGL ES 3.0
MEMORY³	2GB DDR3L 1600MHz, soldered down
STORAGE⁴	ThinOS: 8GB eMMC FLASH, soldered down ThinLinux: 16GB eMMC FLASH, soldered down
I/O PERIPHERAL SUPPORT	3 x USB 2.0 (1 front/ 2 rear) 1 x USB 3.1 Gen 1 (front) 1 x Audio-mic combo jack 2 x DisplayPort™ 1.2 1 x 1Gb/s RJ45
SECURITY	Built-in chassis security lock slot (cable sold separately)
NETWORKING	Integrated Realtek® Ethernet LAN 10Mb/100Mb/1Gb Copper RJ45, Optional Azurewave AW-CM389MA Dual band 802.11 a/b/g/n/ac wireless with Bluetooth 4.0, internal antennas ⁶
MULTIMEDIA	3.5 mm Audio-mic combo jack
DISPLAY	Up to two WQXGA (2560x1600) resolution digital displays @ 60Hz
POWER	External 15 Watt AC Adapter with local Type Duck Head Power Cord. Worldwide auto-sensing 100-240 VAC, 50-60 Hz Power consumption: 3.3 watts (idle)
DIMENSIONS	Height 101.6 mm x Width 27.94 mm x Depth 101.6 mm
NET WEIGHT	0.24 kg (0.53 lbs.)
SHIPPING WEIGHT	1.47kg/ 3.24 lbs. (Americas and APJ) 0.80 kg/ 1.76 lbs. (EMEA)
TEMPERATURE RANGE	Operating: 32°to 104°F (10°to 40°C) Storage: 14°to 140°F (-10°to 60°C)
HUMIDITY	20% to 80% condensing. 10% to 95% non-condensing
WARRANTY	Three-year Limited Hardware Warranty ⁵
SUPPORT AND DEPLOYMENT	Complete services portfolio including Deployment Services, Optional Dell ProSupport for premium support from expert technicians and 24x7 availability ¹ and Accidental Damage Service ² .
ENVIRONMENTAL, ERGONOMIC, & REGULATORY STANDARDS	Environmental Standards (eco-labels): ENERGY STAR 6.1 qualified, EPEAT Registered ⁷ , WEEE, EU RoHS ⁸ . Please see your local representative or www.dell.com for specific details

чл.2 33ЛД

1. Dell ProSupport availability and terms vary by region. See dell.com/servicecontracts/global.
2. Accidental Damage Service excludes theft, loss, and damage due to fire, flood or other acts of nature, or intentional damage. Customer must return damaged unit. Limit of 1 qualified incident per contract year. See dell.com/servicecontracts.
3. System memory may be used to support graphics, depending on system memory size and other factors.
4. Hard Drive capacity varies with preloaded material and will be less.
5. Limited Hardware Warranty available by writing Dell USA LP, Attn: Warranties One Dell Way, Round Rock, TX 78682 or See dell.com/warranty.
6. Offering and availability may vary by region. Some items available after product introduction.
7. Please refer to www.epeat.net for specific country registration rating and participation

ВАЖНО С ОРИГИНАЛА

КОНТРАКТ
АД 1

чл.2 33ЛД

чл.2 33ЛД

12271
чл.2 33ЛД

8. For a complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information <http://www.dell.com/support/home/us/en/1>

WYSE 3040 SOFTWARE FEATURE

OS OPTION	ThinOS	ThinOS with PCoIP	ThinLinux
ENVIRONMENT: <ul style="list-style-type: none"> MICROSOFT CITRIX VMWARE 	RemoteFX (RDP 8.1) Citrix Receiver 4.0.x VMware (RDP)	RemoteFX (RDP 8.1) Citrix Receiver 4.0.x VMware (RDP & PCoIP)	RemoteFX (RDP 8.1) Citrix Receiver 13.5 VMware (RDP, PCoIP and Blast Extreme)
LOCAL BROWSER	N/A	N/A	Firefox Browser Chrome Browser
CERTIFICATIONS	CITRIX HDX READY, CITRIX HDX PREMIUM, CITRIX HDX 3D PRO	CITRIX HDX READY, CITRIX HDX PREMIUM, CITRIX HDX 3D PRO	coming soon

чл.2 33ЛД

WYSE 3040 THIN CLIENT RECOMMENDED OPTIONS & ACCESSORIES

SOFTWARE MAINTENANCE	Wyse ThinOS software maintenance 1, 2 or 3-year option
MANAGEMENT SOFTWARE	Dell Wyse Device Manager Workgroup Dell Wyse Device Manager Enterprise Dell Wyse Management Suite
MONITORS	Dell 19 Monitor E1916H Dell 19 Monitor P1917S Dell 20 Monitor E2016H Dell 20 Monitor P2017H Dell 22 Monitor E2216H Dell 22 Monitor P2217H Dell 24 Monitor E2416H Dell 24 Monitor P2417H
DISPLAY ADAPTORS	DisplayPort to Single Link DVI (1920x1200) Adapter Dell DisplayPort to VGA Adapter
MOUNTING OPTIONS	Wyse 3040 mount (wall mount and behind the Monitor Mount for E-series Monitors) Wyse behind the Monitor Mount for P-series 2017 Monitors Dell Dual Monitor Stand Dell MSA14 Single Monitor Arm Stand
KEYBOARDS	Dell Multimedia Keyboard-KB216 (default configuration) Dell Wireless Keyboard KM636 Dell Smartcard Keyboard KB813
MOUSE	Dell MS116 Wired Mouse Black (default configuration)
AUDIO	Dell Pro Stereo Headset UC300
SECURITY	Dell Premium Keyed Lock Dell Combination Lock LC300

КОПИЯ С ОРИГИНАЛА

Learn More: Visit www.dell.com/wyse

Ask a Dell expert:
<https://marketing.dell.com/t2d-wyse>

Dell cloud client-computing sales
1-800-438-9973
ccc_sales@dell.com

чл.2 33ЛД

КОПИЯ С ОРИГИНАЛА
А Д 1 чл.2 33ЛД

чл.2 33ЛД

1 2011
чл.2 33ЛД



Essential features. Essential value.

DELL 23 MONITOR : E2318H



чл.2 33ЛД



Essential features
Productivity drivers for everyday office demands.



Eco-conscious design
Save energy with power-efficient features.



Superb usability
Create a workspace that fits your exact needs.



Highly reliable
Dell monitors — the number 1 monitor brand worldwide for four consecutive years.*

КОПИЯ С ОРИГИНАЛА

КОПИЯ С ОРИГИНАЛА
чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

Чл.2 33ЛД

Dell 23 Monitor

DELL 23 MONITOR : E2318H



Чл.2 33ЛД

ESSENTIAL FEATURES

Maximise workspace efficiency with a monitor designed to meet your business needs.

- **Screen performance:** View your applications, spreadsheets and more on 23 inches of 1920 x 1080 Full HD clarity.
- **Work comfortably:** Optimise eye comfort and reduce harmful blue light emissions with ComfortView and a flicker-free screen.
- **Brilliant at every angle:** See consistent colours across a wide 178°/178° viewing angle.

SUPERB USABILITY

Work the way you like.

- **Convenient controls:** Easy access buttons for power, brightness, contrast and customizable preset models on the monitor's front panel.
- **Versatility included:** Get the flexibility to configure your monitor with various mounts and stands for evolving office requirements.
- **Tilt at will:** Work comfortably by tilting the monitor 5° forward or 21° backward.
- **Plug and view:** Compatible with most legacy and current PCs via VGA and DisplayPort connectivity.

ECO-CONSCIOUS DESIGN

- **Reduced energy footprint:** Our eco-conscious design meets latest regulatory and environmental standards such as ENERGY STAR, EPEAT® Gold³, TCO Certified Displays, CEL and CECP.

SUPERB RELIABILITY

Comes with Dell's high reliability promise.

- From the #1 monitor brand worldwide for four consecutive years.*
- Minimise downtime with Dell's Advanced Exchange Service!

БЯРНО С ОРИГИНАЛА

FOR MORE INFORMATION
VISIT DELL.COM/MONITORS

Thank you
for making
Dell Monitors

#1
worldwide*

КОПИР
А В 1

Чл.2 33ЛД

Чл.2 33ЛД

Чл.2 33ЛД

10-10-10
чл.2 33ЛД

Features & Technical Specifications

DELL 23 MONITOR : E2318H

Display

Model number	E2318H
Viewable image size (diagonal)	58.42 cm (23.0 Inches)
Active display area	
Horizontal	509.18 mm (20.05 inches)
Vertical	286.42 mm (11.28 inches)
Maximum resolution	1920 x 1080 at 60Hz
Aspect ratio	16:9
Pixel pitch	0.265 mm x 0.265 mm
Pixels per inch (PPI)	96
Brightness (typical)	250 cd/m ²
Colour gamut (typical)	85% (CIE 1976), 72% (CIE 1931)
Colour depth	16.7 million colours
Contrast ratio (typical)	1000:1
Viewing angle (typical) (vertical/horizontal)	178° x 178°
Response time (typical)	5 ms (gray to gray - fast mode) 8 ms (gray to gray - normal mode)
Panel technology	In-plane switching, anti-glare with 3H hardness
Backlight	LED
Dell Display Manager	Yes
Optional soundbar	AC511
Connectivity	
Connectors	1 x DisplayPort (ver 1.2), 1 x VGA
Design features	
Stand	Tilt (-5° to 21°)
Security	Security lock slot (cable lock sold separately), Anti-theft stand lock slot (to panel)
VESA mounting support	100 mm
Power	
AC input voltage/frequency/current	100 to 240 VAC / 50 or 60 Hz ± 3Hz / 1.0 A (typical)
Power consumption (typical)	20W
Power consumption (ENERGY STAR®)	54 kWh
Power consumption (standby/sleep mode)	< 0.3W
Dimensions (with stand)	
Height	415.0 mm (16.34 inches)
Width	544.8 mm (21.45 inches)
Depth	180.0 mm (7.09 inches)
Weight	
Weight (panel only)	3.17 kg (6.99 lb)
Weight (with stand)	3.89 kg (8.58 lb)
Shipping weight	5.47 kg (12.06 lb)
Standard service plan	3 Years Advanced Exchange Service ¹ & Limited Hardware Warranty ²
Environmental compliance	ENERGY STAR®, EPEAT® Gold ³ , TCO Certified Displays, RoHS Compliant

What's in the box?

Components

- Monitor
- Stand riser
- Stand base
- VESA screw cover

Cables

- 1 x DisplayPort cable
- 1 x VGA cable
- Power cable

Documentation

- Quick Setup Guide
- Drivers and documentation media
- Safety and regulatory information

чл.2 33ЛД

БЯРНО С ОРИГИНАЛА

КОПИ
А Д

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

1.2.2017
чл.2 33ЛД

Adjustability and connectivity

DELL 23 MONITOR : E2318H

Easily tilt the panel to your preferred viewing position.



Tilt

Connectivity



- A AC power
- B DisplayPort in
- C VGA
- D Dell soundbar mounting slots

- * Dell monitors are #1 worldwide for 4 consecutive years! Source: IDC Worldwide PC Monitor Tracker (4Q16)
- 1 Advanced Exchange Service: Replacement part/unit dispatched, if needed, following completion of phone/online diagnosis. Fee charged for failure to return defective unit. Availability varies. Other conditions apply.
- 2 For a copy of the Limited Hardware Warranty, write Dell Products, Dell House, The Boulevard, Cain Road, Bracknell, Berkshire, RG12 1LF, UK or see dell.com/warranty.
- 3 EPEAT Gold registered in the U.S. EPEAT registration varies by country. See www.epeat.net for registration status by country.

чл.2 33ЛД



БЕЛНО С ОРИГИНАЛА

Dell.co.uk/monitors
Product availability varies by country. Please contact your Dell representative for more information.

v1 04/2017

KOI чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

45774
чл.2 33ЛД

Dell Vostro 15-3568

Owner's Manual

чл.2 33ЛД *5*

КОПИРОВАНО С ОРИГИНАЛА

Regulatory Model: P63F
Regulatory Type: P63F002

чл.2 33ЛД *5*



чл.2 33ЛД *5*

5 чл.2 33ЛД

Technical specifications

NOTE: Offerings may vary by region. For more information regarding the configuration of your computer in:

- Windows 10, click or tap **Start**  > **Settings** > **System** > **About**.

Table 20. System specifications

Feature	Specification
Chipset	Intel Kaby Lake
DRAM bus width	64 bits
Flash EPROM	16 MB

Table 21. Processor specifications

Feature	Specification
Processor type	Intel Core i3
L2 cache	2 MB

Table 22. Memory specifications

чл.2 33ЛД

Feature	Specification
Memory connector	One internally accessible DDR4 connectors
Memory capacity	4 GB and 8 GB
Memory speed	1600 Mhz
Minimum memory	4 GB
Maximum memory	8 GB

Table 23. Stroage specifications

Feature	Specification
M.2 SSD	256 GB, 128 GB

Table 24. Audio specifications

Feature	Specification
Type	Two-channel high-definition audio
Controller	Realtek ALC3246 with Waves MaxxAudio
Stereo conversion	24-bit (analog-to-digital and digital-to-analog)
Interface	Intel HDA bus

СЕРИО С ОРИГ.

КОП
А Д чл.2 33ЛЛ

чл.2 33ЛД

чл.2 33ЛД

4211
чл.2 33ЛД

Feature

Speakers	2 x 2 W
Volume controls	Program menu and keyboard media-control keys

Table 25. Video specifications

Feature	Specification
Video type	eDP
Video Controller:	
UMA	Intel HD Graphics (shared memory)
Discrete	AMD Radeon R5 M315 (up to 2GB DDR3)
Data bus:	64 bits
External display support	VGA

Table 26. Camera specifications

Feature	Specification
Camera Resolution	HD resolution
Video Resolution (maximum)	1280 x 720 (HD) at 30 fps (maximum)
Diagonal viewing angle	74°

чл.2 33ЛД

Table 27. Communication specifications

Feature	Specification
Network adapter	10/100/1000 Mbps Ethernet LAN on Motherboard (LOM)
Wireless	<ul style="list-style-type: none">• Wi-Fi 802.11 b/g/n• Bluetooth 4.0

Table 28. Ports and connectors specifications

Feature	Specification
Audio	One headphone/microphone combo port (headset)
Video	VGA and HDMI out
Network adapter	One RJ-45 port
USB:	<ul style="list-style-type: none">• Two USB 3.0 ports• One USB 2.0 port

NOTE: The powered USB 3.0 connector also supports Microsoft Kernel Debugging. The ports are identified in the documentation shipped with your computer.

Media card reader	One SD slot
-------------------	-------------

КОПИЯ С ОРИГИНАЛА

КОПИЯ С ОРИГИНАЛА
чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

2011
чл.2 33ЛД

Table 29. Display specifications

Feature	Specification
Type	• 15.6 inches HD WLED
Dimensions:	
Height	360.00 mm (14.17 inches)
Diagonal	396.24 mm (15.60 inches)
Width	224.3 mm (8.83 inches)
Maximum resolution	1366 x 768 pixels
Active area (X/Y)	344.20 mm x 193.50 mm (13.55 inches x 7.62 inches)
Maximum brightness	200 nits
Operating angle	0° (closed) to 135°
Refresh rate	60 Hz
Minimum viewing angles:	
Horizontal	40° / 40°
Vertical	10° / 30°
Pixel pitch	0.2265 mm

чл.2 33ЛД

Table 30. Keyboard specifications

Feature	Specification
Number of keys:	US 101, Brazil 104, UK 102, and Japan 105

Table 31. Touchpad specifications

Feature	Specification
Active Area:	
X-axis	105.00 mm (4.13 inches)
Y-axis	80.00 mm (3.14 inches)

Table 32. Battery specifications

Feature	Specification
Type	• 4-cell "smart" lithium ion (47 WHr)
Dimensions:	
Height	20.00 mm (0.78 inch)
Width	270.00 mm (10.63 inches)
Depth	37.50 mm (1.47 inches)
Weight	0.25 kg (0.55 lb)
Life span	300 discharge/charge cycles

КОПИРОВАНО С ОРИГИНАЛА

КОПИРОВАНО С ОРИГИНАЛА
чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

1.1.11
чл.2 33ЛД

Feature	Specification
Voltage	14.80 VDC
Temperature range:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Non-Operating	-40 °C to 65 °C (-40 °F to 149 °F)
Coin-cell battery	3 V CR2032 lithium ion

Table 33. AC Adapter specifications

Feature	Specification
Type	65 W (discrete)
Input voltage	100 V AC to 240 V AC
Input frequency	50 Hz to 60 Hz
Input current (maximum)	
65 W	1.70 A
Output current	
65 W	3.34 A
Rated output voltage	19.50 V DC
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-Operating	-40 °C to 70 °C (-40 °F to 158 °F)

чл.2 33ЛД

Table 34. Physical

Feature	Specification
Height:	23.65 mm (0.93 inches)
Width:	380.00 mm (14.96 inches)
Depth:	260.30 mm (10.24 inches)
Weight:	2.29 kg (5.04 lb)

Table 35. Environmental specifications

Feature	Specification
Temperature:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	-40 °C to 65 °C (-40 °F to 149 °F)
Relative humidity (maximum):	
Operating	10 % to 90 % (non-condensing)
Storage	0 % to 95 % (non-condensing)
Altitude (maximum):	

Копия с оригинала

КОПИЯ
А В

чл.2 33ЛД

}

чл.2 33ЛД

чл.2 33ЛД

}

1.2.2.2
чл.2 33ЛД

Feature	Specification
Operating	-15.2 m to 3048 m (-50 to 10,000 ft) 0° to 35°C
Non-Operating	-15.2 m to 10,668 m (-50 ft to 35,000 ft)
Airborne contaminant level	G1 as defined by ISA-S71.04-1985

чл.2 33ЛД

КОМПЕТЕНТНО СОРБИРАНО

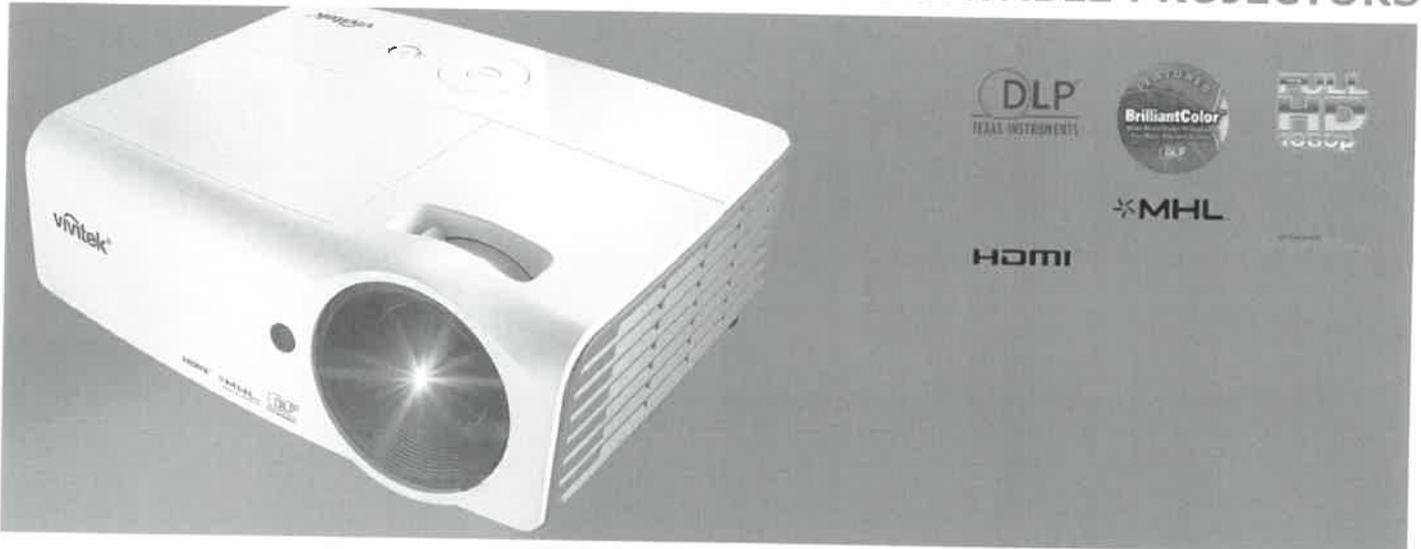
чл.2 33ЛД

чл.2 33ЛД

100 M
чл.2 33ЛД

vivitek
Vivid Color. Vivid Life

DH559ST
PORTABLE PROJECTORS



Bring Sports and Games Alive with this 1080p Short Throw Projector

FEATURES

- DLP technology with BrilliantColor for vibrant and rich picture quality
- Short 0.69 throw ratio lens capable of producing a 100 inch screen from a distance of 1.5 metres
- High definition 1080p resolution (1920x1080), and 15,000:1 high contrast ratio for clear and crisp visuals
- Powerful 3,000 ANSI lumens brightness-gives a sharp image even when the lights are on
- Compact and lightweight at only 2.3kg for easy portability
- Long lamp life up to 10,000 hours for low Total Cost of Ownership (TCO)
- Audio ready with built-in 2 watt speaker, audio-in and audio-out ports
- MHL compatibility for streaming of video and audio content from a compatible mobile device
- HDMI input for high definition content with the same high quality



чл.2 33ЛД



КОПИРОВАНО С ОРИГИНАЛА

КОПИРОВАНО С ОРИГИНАЛА
АД 1 чл.2 33ЛД

[Handwritten signature]

чл.2 33ЛД

[Handwritten signature]

[Handwritten signature] чл.2 33ЛД

The DH559ST is feature-rich and capable of creating a 100-inch screen from a distance of only 1.5 metre

The DH599ST projector is capable of delivering a 100 inch full HD image from a distance of only 1.5 meters. The short throw lens is complemented by 3,000 ANSI lumens brightness and 15,000:1 high contrast ratio ensuring a sharp image even in well-lit meeting- or living-rooms of all sizes. Other key features include MHL compatibility for streaming of video and audio content from a compatible mobile device, and a built-in 2-watt speaker, audio-in and audio-out ports.



чл.2 33ЛД
DH559S1

SPECIFICATIONS

Image	Display Type	Single chip DLP® Technology by Texas Instruments
	Brightness	3000
	Native Resolution	1080p (1920x1080)
	Max. Supported Resolution	WUXGA (1920 x 1080) @60Hz
	Native Aspect Ratio	16:9
	Contrast Ratio	15,000:1
	Keystone Correction	Vertical +/-40°
	Optical	Throw Ratio
Zoom Ratio		1.1x
Image Size (Diagonal)		41" - 326"
Projection Distance		0.7 - 5 m
Projection Lens		F = 2.78, f = 10.16 - 11.16 mm
Offset (Based on Full Image Height)		115%
Features	Features	3D Ready(DLP link, PC+Video), Direct 3D (HDMI 1.4a), 3D Mandatory Formats supported (top/bottom, right/left, frame sequential), Keypad lock, Wall Color Correction
Compatibility	Video	SDTV (480i, 576i) / EDTV (480p, 576p) / HDTV (720p, 1080i, 1080p), NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N) SECAM (B,D,G,K,K1,L)
Connectivity	I/O Connection Ports	VGA-In (15pin D-Sub), HDMI v 1.4 (HDMI / MHL x1), Audio-In (Mini-Jack), VGA-Out (15pin D-Sub), Audio-Out (Mini-Jack), RS-232, USB A (Power only), USB miniB (Service)
General	Dimensions (W x D x H)	274.6 x 212 x 100 mm
	Weight	2.3
	Power	Supply: AC 100-240V, 50/60Hz Consumption: 200W (Eco. Mode), 240W (Normal Mode), <0.5W (Standby)
	Lamp Life and Type	5,000 / 6,000 / 10,000 Hours (Normal / Eco / Dynamic Eco Mode), 190W/160W
	Speakers	2W
	Noise Level	34dB / 31dB (Normal /Eco. Mode)
	Standard Accessories	VGA Cable, HDMI Cable, User Manual (CD), Quick Start Guide, Warranty Card (by region), Remote Controller (with battery), AC Power Cord
	Optional Accessories	Spare Lamp P/N (5811118154-SVV), Remote Control P/N (5041848900), Carrying Case P/N (3523504000)
	Warranty	Entry Warranty: 2 years projector / 1 year on lamp or 1000 hours whichever comes first, Education Warranty: 5 years projector / 3 years on lamp or 2000 hours whichever comes first
	UPC Code	813097022011

КОПИРОВАНО

КОПИРОВАНО чл.2 33ЛД
АД 1

чл.2 33ЛД

чл.2 33ЛД



Направете истински спорта и игрите с този 1080p късофокусен мултимедиен проектор

ХАРАКТЕРИСТИКА

- DLP технология с BrilliantColor за изпълнено с живот и богато качество на картината
- Късофокусен обектив с размери 0.69, способен да произвежда 100-инчов екран от разстояние 1.5 метра
- Висока разделителна способност 1080p (1920x1080) и високо съотношение на контраст 15000: 1 за ясни и свежи изображения
- Мощната яркост от 3000 ANSI лумена дава ясен образ, дори когато светлините са включени
- Компактен и лек със само 2,3 кг за лесна преносимост
- Дълъг живот на лампата до 10 000 часа за ниски общи разходи за употреба (ОРУ)
- Аудио система с вграден 2-ватов високоговорител, аудио вход и аудио изход
- MHL съвместимост за предаване на видео и аудио съдържание от съвместимо мобилно устройство
- HDMI вход възпроизвеждане на висококачествено съдържание със същото високо качество



чл.2 3ЗЛД



ch чл.2 3ЗЛД

КОПИЕ
А Д 1 чл.2 3ЗЛД

чл.2 3ЗЛД *ch*

DH559ST предоставя богат набор от функции и може да създава 100-инчов екран от разстояние само 1,5 метра



Мултимедийният проектор DH559ST може да достави 100-инчово Full HD изображение от разстояние само 1,5 метра. Късофокусният обектив е допълнен с яркост от 3000 ANSI лумена и високо съотношение на контраста 15 000: 1, осигуряващи ясни изображения дори при добре осветени заседателни зали или всекидневни с всякакви размери. Други ключови характеристики включват MHL съвместимост за предаване на видео и аудио съдържание от съвместимо мобилно устройство, и вграден 2-ватов говорител, аудио вход и аудио изход.

СПЕЦИФИКАЦИИ

Изображение		Тип на дисплей		ДH559ST	
	Яркост		Яркост	Едночипова DLP® технология от Texas Instruments	3000
	Естествена разделителна способност		Естествена разделителна способност	1080p (1920x1080)	
	Макс. поддържана разделителна способност		Макс. поддържана разделителна способност	WUXGA (1920 x 1080) @60Hz	
	Естествено съотношение		Естествено съотношение	16:9	
	Съотношение на контраста		Съотношение на контраста	15,000:1	
	Корекция на основата	вертикално +/-40°			
Оптика	Съотношение на фокуса	0.69 - 0.76:1			
	Съотношение на мащабиране			1.1x	
	Размер на изображението (диагонал)			41" - 326"	
	Разстояние за проектиране			0.7 - 5 m	
	Прожекционен обектив			F = 2.78, f = 10.16 - 11.16 mm	
	Изместване (въз основа на пълната височина на изображението)			115%	
Функции	Функции	3D Ready (DLP връзка, PC + видео), Direct 3D (HDMI 1.4a), поддържани задължителни 3D формати (горе / долу, дясно / ляво, последователна рамка), Заключване на клавиатурата, Корекция на цвета на стената			
Съвместимост	Видео	SDTV (480i, 576i) / EDTV (480p, 576p) / HDTV (720p, 1080i, 1080p), NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N) SECAM (B,D,G,K,K1,L)			
Свързване	Входни и изходни свързващи портове	VGA вход (15pin D-Sub), HDMI v 1.4 (HDMI / MHL x1), аудио вход (Mini-Jack), VGA изход (15pin D-Sub), аудио изход (Mini-Jack), RS-232, USB A (само за захранване), USB miniB (сезвизно обслужване)			
Общи	Размери (Ш x Д x В)	274.6 x 212 x 100 mm			
	Тегло	2.3			
	Захранване	Захранване: AC 100240V, 50 / 60Hz Консумация: 200W (Режим Еко), 240W (Нормален режим), <0,5W (Режим на готовност)			
	Живот и тип на лампата	5,000 / 6,000 / 10,000 Часове (Нормален / Еко / Динамичен Еко Режим), 190W/160W			
	Говорители	2W			
	Ниво на шум	34dB / 31dB (Нормален / Еко режим)			
	Стандартни аксесоари	VGA кабел, HDMI кабел, Ръководство за употреба (CD), Ръководство за бърз старт, Гаранционна карта (по регион), Дистанционно управление (с батерия), Захранващ кабел			
	Допълнителни аксесоари	Резервна лампа P / N (5811118154SVV), дистанционно управление P / N (5041848900), калъф за носене P / N (3523504000)			
	Гаранция	Първоначална гаранция: 2 години на проектора / 1 година на лампата или 1000 часа, в зависимост от това кое от двете настъпи първо, Гаранция за образователни центрове: 5 години на проектора / 3 години на лампата или 2000 часа, което от двете настъпи първо			
	Универсален код на продукта	813097022011			

чл.2 ЗЗЛД

чл.2 ЗЗЛД

рано търговска марка на Delta Electronics, Inc.
марки на Texas Instruments. Всички спецификации могат да се променят по всяко време.

КОПИ
АВ
чл.2 ЗЗЛД

чл.2 ЗЗЛД

чл.2 33ЛД

Products /here to buy About Avtek Contact

Home | Mounting accessories | Projector mounts | Ceiling mounts

EasyMount



Product features

- Possibility to mount directly on the ceiling
 - Regulated length
 - Maximum spacing between assembly holes - 32 cm
 - Cable without a connector can be pulled through
- Warranty: standard 2 years or extended 3 years after free registration on www.avtek.eu/warranty

Technical data

Type:	ceiling
Max. projector weight:	10 kg
Swivel:	no
Tilt:	+/- 15°, side +/- 22.5°
Distance from the mounting point:	43 - 65 cm
Cables can be pulled through:	without connector
Color:	white
Material:	steel
Product code:	1MVEM2

Download files

- Manual [Download pdf](#)

чл.2 33ЛД

Contact



Download catalog of Avtek products

Avtek Brand Trademark is fully owned by VIDIS S.A. Avtek products are available only from authorised distributors. If you are interested in working with us, please fill the Contact form on your right. If you would like to find more about Avtek products, please go to "Where to buy" section above.

Service & warranty

European Service is handled by:

VIDIS S.A.
ul. Logistyczna 4
Bielany Wrocławskie
55-040 Kobierzyce
Poland

email: serwis@vidis.pl

Detailed Warranty Terms and Conditions can be found on page avtek.eu/warranty. Only registered shipments with the RMA number will be serviced. Details

Please contact your local dealer for support in your country.

Contact form

subject: I want to buy Avtek product(s)
country:
e-mail:
question:

I hereby give consent for my personal data included in this application form to be processed for the marketing purposes of VIDIS S.A., in accordance with the Personal Data Protection Act dated 29.08.1997 (Journal of Laws No. 133, tom 783).

[send](#)

Copyright Avtek 2012. All Rights Reserved 2012 VIDIS S.A.

КОПИРОВАНИЕ ЗАПРЕЩЕНО

КОПИРОВАНИЕ ЗАПРЕЩЕНО

чл.2 33ЛД

чл.2 33ЛД

тавяне *easyMount*

easyMount

Описание на продукта

- Възможност да се монтира директно към тавана (12 см), или при 43 - 65 см разстояние - благодарение на регулиране той е перфектен за монтаж в типични офиси или класни стаи.
- Максимално разстояние между монтажните отвори до 32 см и максимално тегло проектор до 10 кг дава възможност да се поберат на планината до повечето преносими проектори.
- Кабел без съединител може да бъде изтеглен чрез така че е по-лесно да го крие във вътрешността на планината.
- +/- 15 ° наклон и +/- 22.5 ° страничен наклон помага да се поберат на показването на изображението точно и лесно да се проекционната повърхност.
- Допълнително удължаване поле дава възможност за монтиране на проектора на всякакви разстояния от тавана.
- Цвят: бял.
- Материал: стомана.

КОД НА ПРОДУКТА: 1MvM2



удължаване

Удължаване поле за easyMount

- След смесване с EasyMount монтажната разстоянието може да се регулира от 71 см до 122 см или дори 102 см до 175 см, когато се използват всички елементи.
- Това е възможно да се свърже повече разширения, за да по-голямо разстояние от тавана.
- регулиране Spool's дължина позволява на проекционния апарат да се инсталира на всяко ниво.
- Материал: стомана.

КОД НА ПРОДУКТА: 1MvM3



чл.2 ЗЗЛД

proMount директен *easyMount*

Описание на продукта

- Възможност да се монтира директно към тавана (13 см) - идеален за монтаж в малки стаи на тавана.
- Сферичен шарнир, за прецизно регулиране на наклона до 25 ° и 360 ° въртене опростява корекция на проекционната повърхност.
- Прецизно регулиране на положението на проектора с резба дистанцира трябва за най-добро изпълнение на изображението.
- Максимално разстояние между монтажните отвори до 38 см и максимално тегло проектор до 25 кг дава възможност да се поберат дори и по-големи и по-тежки проектори.
- Кабел може да бъде изтеглен чрез така че е по-лесно да го крие във вътрешността на планината.
- Допълнително удължаване поле дава възможност за монтиране на проектора по-голяма дистанция от тавана.
- Цвят: сребро.
- Материал: алуминий.

КОД НА ПРОДУКТА: 1MvpM5



proMount *пряко удължаване*

Удължаване поле за proMount директен

- Заедно с ProMount монтажната разстоянието може да се регулира от 61 см до 120 см.
- Регулирането на дължината е със стъпка от 3 см.
- Кабел с конектор е широка до 25 мм може да бъде изтеглен чрез.
- Материал: алуминий.

КОД НА ПРОДУКТА: 1MvpM6



КОПИРАНО
А В 1

чл.2 ЗЗЛД

чл.2 ЗЗЛД

2AMW

чл.2 33ЛД

About Avtek Contact
All screens

Cinema 200



Product features

- White metal casing
 - Lower bar made of hard material protecting surface from creasing
 - Pull-up safety catch
 - Lower bar height adjustable
 - Ideal for ceiling or wall mounting
 - High quality Matt White projection surface
 - Gain factor 1.0
 - Black frames increase perceived contrast ratio
 - Black TOP - screen can be positioned at viewer's eye level
- Warranty: standard 2 years or extended 3 years after free registration on www.avtek.eu/warranty

Technical data

Control type:	Manual
Screen dimensions:	2000 x 2000 mm
Ratio:	16:9
Diagonal:	88 [inch]
Side black frames:	50 mm
Viewing area:	1900 x 1070 mm
Black TOP:	890 mm
Black bottom:	40 mm
Housing length:	Check technical drawing in mm
Housing cross-section:	75 x 67 mm
Projection surface:	Matt White
Slow Return Control SRC:	No
In-ceiling installation:	No
Net weight:	6.5 kg
Gross weight:	7.5 kg
Packaging dimensions:	219 x 14 x 12.5 cm
Product code:	1EVS37

чл.2 33ЛД

Download files

- Manual [Download pdf](#)

Contact



Download catalog of Avtek products

Avtek Brand Trademark is fully owned by VIDIS S.A. Avtek products are available only from authorised distributors. If you are interested in working with us, please fill the Contact form on your right. If you would like to find more about Avtek products, please go to "Where to buy" section above.

Service & warranty

European Service is handled by:

VIDIS S.A.
ul. Logistyczna 4
Bielany Wrocławskie
55-040 Kobierzyce
Poland

email: service@vidis.pl

Detailed Warranty Terms and Conditions can be found on page [avtek.eu/warranty](http://www.avtek.eu/warranty). Only registered shipments with the RMA number will be serviced. Details

Please contact your local dealer for support in your country.

Contact form

subject: I want to buy Avtek product(s)
country:
e-mail:
question:

I hereby give consent for my personal data included in the application form to be processed for the marketing purposes of VIDIS S.A., in accordance with the Personal Data Protection Act dated 29.08.1997 (Journal of Laws No. 133, item 883).

send

Copyright Avtek 2012. All Rights Reserved 2012 VIDIS S.A.

ЧЛ.2 33ЛД

чл.2 33ЛД

КОП
А Д чл.2 33ЛД

Handwritten signature and initials.

чл.2 33ЛД



Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

High-Performance, Easy-to-Deploy, and Highly Secure Business-Class Wireless-AC Connectivity.

Highlights

- Provides cost-effective 802.11ac connectivity up to three times the 802.11n speed
- Supports 3x3 multiple-input multiple-output (MIMO) technology with three spatial streams for maximum performance
- Gigabit Ethernet LAN interface with Power over Ethernet (PoE) facilitates flexible installation
- Captive portal helps enable highly secure guest access with customized roles and rights
- Single Point Setup requires no controller, for easy cost-effective deployment of multiple : чл.2 33ЛД
- Works right out of the box with easy installation and simple web-based configuration and

Product Overview

In today's dynamic business environment, employees are becoming more mobile and collaborative than ever. To stay productive, they need dependable, business-class access to network applications throughout the office. The Cisco WAP371 Wireless-AC/N Dual Radio Access Points provide a simple, cost-effective way to extend highly secure, high-performance mobile networking to your employees and guests, so they can stay connected anywhere in the office. This flexible solution lets you connect dozens of employees, and can scale to accommodate additional users and changing business needs.

The Cisco WAP371 Wireless-AC/N Dual Radio Access Points use concurrent dual-band radios for improved coverage and user capacity. The 3x3 multiple-input multiple-output (MIMO) technology with three spatial streams allows the access point to run at maximum performance. Gigabit Ethernet LAN interfaces with PoE facilitates flexible installation and reduces cabling and wiring costs. Intelligent quality-of-service (QoS) features let you prioritize bandwidth-sensitive traffic for voice over IP (VoIP) and video applications.

To provide highly secure guest access to visitors and other users, the Cisco WAP371 Wireless-AC/N Dual Radio Access Points support a captive portal with multiple authentication options and the ability to configure rights, roles, and bandwidth. A customized guest login page lets you present a welcome message and access details, and reinforces your brand with company logos.

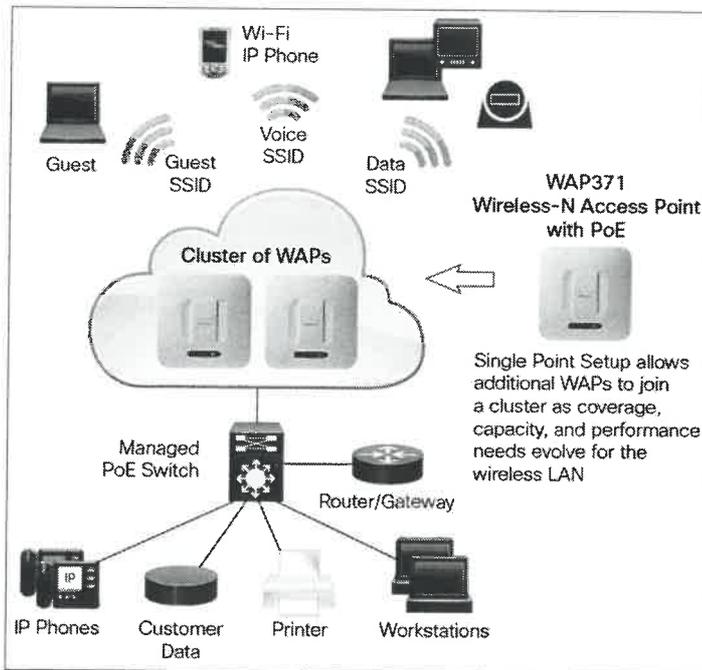
The Cisco WAP371 Wireless-AC/N Dual Radio Access Points are easy to set up and use, with intuitive wizard-based configuration to get you up and running in minutes. An attractive design with flexible mounting options allows the access points to smoothly blend into any small-business environment.

To enhance reliability and safeguard sensitive business information, the Cisco WAP371 Wireless-AC/N Dual Radio Access Points support both Wi-Fi Protected Access (WPA) Personal and Enterprise, encoding all your wireless transmissions with powerful encryption. In addition, 802.1X RADIUS authentication helps keep unauthorized users out.

Designed to scale smoothly as your organization grows, the access points feature controller-less Single Point Setup that simplifies the deployment of multiple access points without additional hardware. With Cisco WAP371 Wireless-AC/N Dual Radio Access Points, you can extend business-class wireless networking to employees and guests anywhere in the office, with the flexibility to meet new business needs for years to come.

Figure 1 shows a typical wireless access point configuration. Figures 2 and 3 show the product's front and back panels, respectively.

Figure 1. Typical Configuration



чл.2 33ЛД

Figure 2. Front Panel of Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup



ВЕРНО С ОРИГИНАЛУ

чл.2 33ЛД

КОР чл.2 33ЛД
АД 1

Handwritten signature

Figure 3. Back Panel of the Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup



Features

- Concurrent dual-band radio support up to 900 Mbps to maximize capacity and coverage.
- 3x3 multiple-input multiple-output (MIMO) with three spatial streams allows maximum performance.
- Single Point Setup, a controller-less technology, simplifies the deployment and management of multiple access points - without requiring additional hardware.
- The Gigabit Ethernet LAN interface enables a high-speed uplink to the wired network.
- Robust security, including WPA2, 802.1X with RADIUS secure authentication, and rogue access point detection, help protect sensitive business information.
- Captive portal support facilitates highly secure, customized guest access with multiple rights and roles.
- Simple installation and intuitive web-based configuration and wizard facilitate fast, simple deployment and setup in minutes.
- Support for PoE allows for easy installation without expensive additional wiring.
- Sleek design with multiple internal antennas and versatile mounting kit allows for installatic wall, or desktop.
- Intelligent QoS prioritizes network traffic to help keep critical network applications running at top performance.
- Power-saving sleep mode and port control features help maximize energy efficiency.
- Workgroup Bridge mode lets you expand your network by wirelessly connecting to a second Ethernet network.
- Support for IPv6 lets you deploy future networking applications and operating systems without costly upgrades.
- Limited lifetime hardware warranty provides peace of mind.

чл.2 33ЛД

Specifications

Table 1 lists the specifications, package contents, and minimum requirements for the Cisco 500 Series access points.

Table 1. Specifications for the Cisco WAP371 Small Business Wireless Access Points

Specifications	Description
Standards	IEEE 802.11ac, 802.11n, 802.11g, 802.11b, 802.3af, 802.3u, 802.1X (security authentication), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460)
Ports	LAN Gigabit Ethernet autosensing
Cabling type	Category 5e or better
Antennas	Internal antennas optimized for installation on a wall or ceiling
LED indicators	Power, WLAN, LAN
Operating system	Linux

чл.2 33ЛД
 СЯНО С

чл.2 33ЛД

чл.2 33ЛД
 АД 1

Handwritten signature

Specifications	Description
Physical Interfaces	
Ports	10/100/1000 Ethernet, with support for 802.3af/at PoE, power port for AC adapter (not included)
Buttons	Reset button
Lock slot	Slot for Kensington lock
LEDs	Power, Wireless, Ethernet
Physical Specifications	
Physical dimensions (W x D x H)	9.05 x 9.05 x 1.69 in. (230 x 230 x 43 mm)
Weight	1.81 lb or 740 g
Network Capabilities	
VLAN support	Yes
Number of VLANs	1 management VLAN plus 16 VLANs for SSIDs
802.1X supplicant	Yes
SSID-to-VLAN mapping	Yes
Auto channel selection	Yes
Spanning tree	Yes
Load balancing	Yes
IPv6	Yes <ul style="list-style-type: none"> • IPv6 host support • IPv6 RADIUS, syslog, Network Time Protocol (NTP), etc.
Layer 2	802.1Q-based VLANS, 16 active VLANs plus 1 management VLAN
Security	
WPA/WPA2	Yes, including Enterprise authentication
Access control	Yes, management access control list (ACL) plus MAC ACL
Secure management	HTTPS
SSID broadcast	Yes
Rogue access point detection	Yes
Mounting and Physical Security	
Multiple mounting options	Mounting bracket included for easy ceiling or wall mounting
Physical security lock	Kensington lock slot
Quality of Service	
QoS	Wi-Fi Multimedia and Traffic Specification (WMM TSPEC), Client QoS
Performance	
Wireless throughput	Up to 950-Mbps data rate (real-world throughput will vary)
Recommended user support	Up to 64 connective users, 30 active users per radio
Multiple-Access Point Management	
Single Point Setup	Yes
Number of access points per cluster	8
Active clients per cluster	240
Configuration	
Web user interface	Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)
Management	
Management protocols	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour
Remote management	Yes
Event logging	Local, remote syslog, email alerts

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД
Ан 1

1234
чл.2 33ЛД

Specifications	Description		
Network diagnostics	Logging and packet capture		
Web firmware upgrade	Firmware upgradable through web browser, imported/exported configuration file		
Dynamic Host Configuration Protocol (DHCP)	DHCP client		
IPv6 host	Yes		
HTTP redirect	Yes		
Wireless			
Frequency	Dual concurrent radios (2.4 and 5 GHz)		
Radio and modulation type	Dual radio, orthogonal frequency division multiplexing (OFDM)		
WLAN	802.11n/ac 3x3 multiple-input multiple-output (MIMO) with 3 spatial streams at 5 GHz 2x2 MIMO with 2 spatial streams at 2.4 GHz 20-, 40-, and 80-MHz channels for 802.11ac 20- and 40-MHz for 802.11n PHY data rate up to 1.6 Gbps 802.11 dynamic frequency selection (DFS)		
Data rates supported	802.11a/b/g: <ul style="list-style-type: none"> • 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, and 1 Mbps • 802.11n: 6.5 to 450 Mbps <ul style="list-style-type: none"> ◦ 20-MHz bandwidth: MCS 0-15 for supported data rates ◦ 40-MHz bandwidth: MCS 0-15 for supported data rates • 802.11ac: 6.5 to 1300 Mbps <ul style="list-style-type: none"> ◦ 20-MHz bandwidth: MCS 0-9 for supported data rates ◦ 40-MHz bandwidth: MCS 0-9 for supported data rates ◦ 80-MHz bandwidth: MCS 0-9 for supported data rates 		
Frequency band and operating channels	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> 802.11b 2412 2437 2462 802.11g 2412 2437 2462 802.11n 20 MHz (2.4-GHz Band) 2412 2437 2462 802.11n 40 MHz (2.4-GHz Band) 2422 2437 2452 </td> <td style="vertical-align: top; width: 50%; border-left: 1px dashed #ccc;"> 802.11a 5180 5320 5500 5700 802.11n 20 MHz (5-GHz Band) 5180 5320 5500 5700 5825 802.11n 40 MHz (5-GHz Band) 5190 5510 5795 </td> </tr> </table>	802.11b 2412 2437 2462 802.11g 2412 2437 2462 802.11n 20 MHz (2.4-GHz Band) 2412 2437 2462 802.11n 40 MHz (2.4-GHz Band) 2422 2437 2452	802.11a 5180 5320 5500 5700 802.11n 20 MHz (5-GHz Band) 5180 5320 5500 5700 5825 802.11n 40 MHz (5-GHz Band) 5190 5510 5795
802.11b 2412 2437 2462 802.11g 2412 2437 2462 802.11n 20 MHz (2.4-GHz Band) 2412 2437 2462 802.11n 40 MHz (2.4-GHz Band) 2422 2437 2452	802.11a 5180 5320 5500 5700 802.11n 20 MHz (5-GHz Band) 5180 5320 5500 5700 5825 802.11n 40 MHz (5-GHz Band) 5190 5510 5795		
Nonoverlapping channels	2.4 GHz <ul style="list-style-type: none"> • 802.11b/g <ul style="list-style-type: none"> ◦ 20 MHz: 3 • 802.11n <ul style="list-style-type: none"> ◦ 20 MHz: 3 5 GHz <ul style="list-style-type: none"> • 802.11a <ul style="list-style-type: none"> ◦ 20 MHz: 21 • 802.11n <ul style="list-style-type: none"> ◦ 20 MHz: 21 ◦ 40 MHz: 9 • 802.11ac 		

чл.2 33ЛД

БЯРНО С ОРИГИНАЛА

чл.2 33ЛД

КОПИРАКС
чл.2 33ЛД

чл.2 33ЛД

4m1
чл.2 33ЛД

Specifications	Description
Transmitted output power	<ul style="list-style-type: none"> ◦ 20 MHz: 21 ◦ 40 MHz: 9 ◦ 80 MHz: 5 <p>2.4 GHz</p> <ul style="list-style-type: none"> • 802.11b: 17.0 +/- 1.5 dBm @ CH6, all rates • 802.11g: 17.0 +/- 1.5 dBm @ CH6, 6 Mbps • 802.11g: 15.0 +/- 1.5 dBm @ CH6, 54 Mbps • 802.11n(HT20): 17.0 +/- 1.5 dBm @ CH6, MCS0 • 802.11n(HT20): 14.0 +/- 1.5 dBm @ CH6, MCS15 • 802.11n(HT40): 12.0 +/- 1.5 dBm @ CH6, all rates <p>5 GHz UNII-1 (5150 to 5250 MHz)</p> <ul style="list-style-type: none"> • 802.11a: 10 +/- 1.5 dBm @ all rates • 802.11ac(HT20): 10 +/- 1.5 dBm @ all rates • 802.11ac(HT40): 11 +/- 1.5 dBm @ all rates • 802.11ac(HT80): 11 +/- 1.5 dBm @ all rates <p>5 GHz UNII-2 (5250 to 5350 MHz)/UNII-2 Extended (5470 to 5725 MHz)</p> <ul style="list-style-type: none"> • 802.11a: 16.0 +/- 1.5 dBm @ 6 Mbps • 802.11a: 15.0 +/- 1.5 dBm @ 54 Mbps • 802.11ac(HT20): 16.0 +/- 1.5 dBm @ MCS0 • 802.11ac(HT20): 13.0 +/- 1.5 dBm @ MCS9 • 802.11ac(HT40): 18.0 +/- 1.5 dBm @ MCS0 • 802.11ac(HT40): 13.0 +/- 1.5 dBm @ MCS9 • 802.11ac(HT80): 13.0 +/- 1.5 dBm @ all rates <p>5 GHz UNII-3 (5725 to 5850 MHz)</p> <ul style="list-style-type: none"> • 802.11a: 18.0 +/- 1.5 dBm @ 6 Mbps • 802.11a: 15.0 +/- 1.5 dBm @ 54 Mbps • 802.11ac(HT20): 18.0 +/- 1.5 dBm @ MCS0 • 802.11ac(HT20): 13.0 +/- 1.5 dBm @ MCS9 • 802.11ac(HT40): 18.0 +/- 1.5 dBm @ MCS0 • 802.11ac(HT40): 13.0 +/- 1.5 dBm @ MCS9 • 802.11ac(HT80): 18.0 +/- 1.5 dBm @ MCS0 • 802.11ac(HT80): 13.0 +/- 1.5 dBm @ MCS9
Wireless isolation	Wireless isolation between clients
External antennas	None
Internal antennas	Internal fixed PIFA antenna
Antenna gain in dBi	2 dBi each antenna
Receiver sensitivity	<p>2.4 GHz</p> <ul style="list-style-type: none"> • 802.11b: -86 dBm @ 11 Mbps • 802.11g: -75 dBm @ 54 Mbps • 802.11n(HT20): -69 dBm @ MCS15 • 802.11n(HT40): -66 dBm @ MCS15 <p>5 GHz</p> <ul style="list-style-type: none"> • 802.11a: -79 dBm @ 54 Mbps • 802.11ac(HT20): -62 dBm @ MCS9 • 802.11ac(HT40): -59 dBm @ MCS9 • 802.11ac(HT80): -57 dBm @ MCS9
Wireless distribution system (WDS)	Yes
Fast roaming	Yes
Multiple SSIDs	16
Wireless VLAN map	Yes
WLAN security	Yes
Wi-Fi Multimedia (WMM)	Yes, with unscheduled automatic power save

чл.2 33ЛД

чл.2 33ЛД

БЯРНО

чл.2 33ЛД

чл.2 33ЛД

1122 11
чл.2 33ЛД

Specifications	Description
Operating Modes	
Access point	Access Point mode, WDS Bridging, Workgroup Bridge mode
Environmental	
Power options	IEEE 802.3at Ethernet switch Cisco power injector: SB-PWR-INJ2-xx AC adapter: SB-PWR-12V2A-xx Peak power: 17W
Compliance	Safety: <ul style="list-style-type: none"> • UL 60950-1 • CAN/CSA-C22.2 No 60950-1 • IEC 60950-1 • EN 60950-1 Radio approvals: <ul style="list-style-type: none"> • FCC Part 15.247, 15.407 • RSS-210 (Canada) • EN 300.328, EN 301 893 (Europe) • AS/NZS 4268.2003 (Australia and New Zealand) EMI and susceptibility (Class B): <ul style="list-style-type: none"> • FCC Part 15.107 and 15.109 • ICES-003 (Canada) • EN 301 489-1 and -17 (Europe)
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	-20° to 70°C (-4° to 158°F)
Operating humidity	10% to 85% noncondensing
Storage humidity	5% to 90% noncondensing
System memory	256 MB RAM 128 MB flash
Package Contents	
<ul style="list-style-type: none"> • Cisco WAP371 Wireless-AC/N Dual Radio Access Point • Ceiling/wall mounting kit • User guide on CD-ROM • Quick-start guide • Ethernet network cable 	
Minimum Requirements	
<ul style="list-style-type: none"> • Switch/router with PoE support, PoE injector, or AC power adapter • Web-based configuration: Java-enabled web browser 	
Warranty	
Access point	Limited lifetime

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД
АБ 1

Ordering Information

Table 2 shows the product part numbers and descriptions to make ordering easier.

Table 2. Product Ordering Information

Part Number	Description
WAP371-A-K9	Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup (United States, Canada, Mexico)
WAP371-C-K9	Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup (China)
WAP371-E-K9	Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup (Europe)
WAP371-K-K9	Cisco WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup (Korea)

Cisco Limited Lifetime Warranty for Cisco Small Business Products

This Cisco Small Business product comes with a limited lifetime hardware warranty. Product warranty terms and other information applicable to Cisco products are available on the [Warranty Page](#).

Cisco Small Business Support Service

This optional service offers affordable, 3-year, peace-of-mind coverage. This subscription-based, device-level service helps you protect your investment and derive maximum value from Cisco Small Business products. Delivered by Cisco and backed by your trusted partner, this comprehensive service includes software updates, extended access to the Cisco Small Business Support Center, and expedited hardware replacement, should it be required.

For More Information

For more information about Cisco Small Business products and solutions, visit the [Small Business Page](#) or the [Product Page](#).

чл.2 33ЛД



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Printed in USA

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

C18-732143-04 12/16

Page 8 of 8

чл.2 33ЛД

чл.2 33ЛД



Cisco WAP371 Wireless-AC / N Dual Radio Access Point, c Single Point Setup

Висока производителност, лесно за внедряване и висока степен на защита на бизнес-клас Wireless-AC Съвързване.

Акценти

- Осигурява рентабилен 802.11ac свързаност до три пъти скоростта на 802.11n
- Поддържа 3x3 множествен вход (MIMO) технология изход множествена с три пространствени потоци за максимална производителност
- Gigabit Ethernet LAN интерфейс с Захранване по мрежата (PoE) улеснява гъвкава инсталация
- Портал за удостоверяване спомага за осъществяването на изключително сигурен достъп за гости с персонализирани роли и права
- Single Point Setup не изисква контролер, за по-лесно рентабилно разгръщане на множество точки за достъп
- Работи с изваждането от кутията с лесен монтаж и проста уеб-базирана конфигурация и магьосник

Общ преглед на продукта

В днешната динамична бизнес среда, служителите стават все по-мобилни и сътрудничество от всякога. За да останете продуктивни, те се нуждаят от надеждни, бизнес-клас достъп до мрежови приложения в целия офис. Звената за Cisco WAP371 Wireless-AC / N Dual Radio Access предоставят прост, икономически ефективен начин да се разшири висока степен на защита, висока производителност на мобилни мрежи на вашите служители и гости, така че те могат да останат свързани навсякъде в офиса. Това е гъвкаво решение ви позволява да свържете десетки служители, както и да се разрасне до допълнителен брой потребители и променящите се бизнес нужди.

Звената за Cisco WAP371 Wireless-AC / N Dual Radio Access използват едновременно две радиостанции за подобряване на обхвата и потребителски капацитет. множествен вход-множествен изход (MIMO) технология 3x3 с три пространствени потоци позволява на точката за достъп да се движи с максимална ефективност. Gigabit Ethernet LAN допирни точки с PoE улеснява гъвкав монтаж и намалява окабеляването и окабеляване разходи. Интелигентна качество на услугата (QoS) функции ви позволяват да се даде приоритет на честотната лента, чувствителни към трафика за глас по IP (VoIP) и видео приложения.

За да се осигури висока степен на защита на достъпа гост на посетителите и на други потребители, Cisco WAP371 Wireless-AC / N Dual Radio Access точките подкрепя портал за удостоверяване с множество възможности за идентификация и възможност за конфигуриране на човека, роли, и трафик. По задание страница гост вход ви позволява да представи съобщение за добре дошли и достъп подробности и засилва вашата марка с фирмено лого.

Звената за Cisco WAP371 Wireless-AC / N Dual Radio Access са лесни за настройка и употреба, с интуитивен wizardbased конфигурация, за да можете да започнат работа в минути. Атрактивен дизайн с гъвкави опции за монтаж позволява точките за достъп до плавно се сливат с всеки малък бизнес среда.

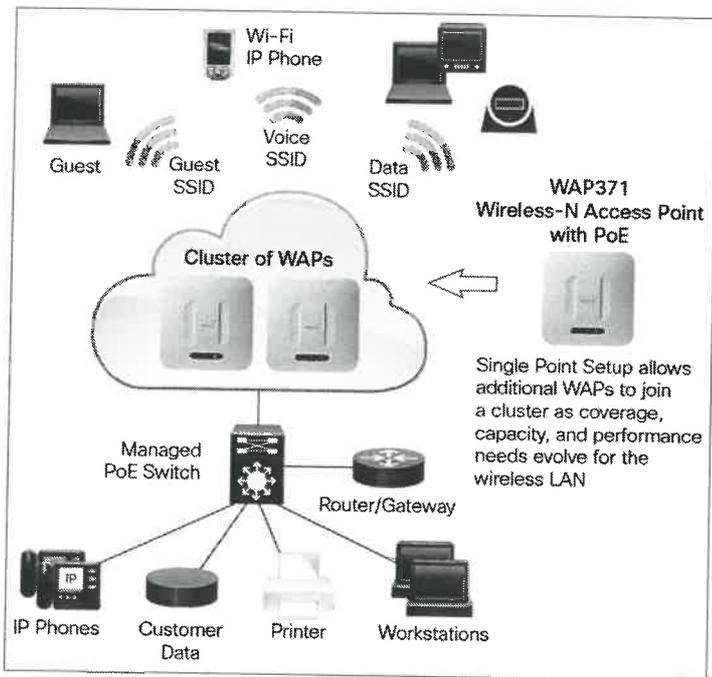
За да се подобри надеждността и гарантиране на чувствителна търговска информация, Cisco WAP371 Wireless-AC / N Dual Radio Access т Protected Access (WPA) лицата и на предприятията, кодиращ всичките си безжично предаване на данни с мощен криптиране. В допълнение, 802.1X удостоверяване RADIUS помага да запазите неупълномощени потребители навън.

2011.
чл.2 33ЛД

Създаден, за да мащабираше гладко като вашата организация расте, точките за достъп са с контролер-малко Single Point Setup, която опростява разгръщането на няколко точки за достъп, без допълнителен хардуер. Със Cisco WAP371 Wireless-AC / N Dual Радио точки за достъп, можете да разширите бизнес-клас безжични мрежи на служителите и гостите навсякъде в офиса, с гъвкавост, за да се срещнат с нови бизнес нужди за години напред.

Фигура 1 показва типична конфигурация безжична точка за достъп. Фигури 2 и 3 показват, предни и задни панели на продукта, съответно.

Фигура 1. Типично за конфигуриране



Фигура 2. Предния панел на Cisco WAP371 Wireless-AC / N Dual Radio Access Point, с Single Point Setup



чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

Чл.2 ЗЗЛД

Фигура 3. Задния панел на Cisco WAP371 Wireless-AC / N Dual Radio точката за достъп с Single Point Setup



Характеристика

- Едновременното двучестотен радио подкрепя до 900 Mbps за максимизиране на капацитета и покритие.
- 3x3 множествен вход-множествен изход (MIMO) с три пространствени потоци позволява максимална ефективност.
- Единична Setup Point, контролер-малко технология, опростява разгръщането и управлението на няколко точки за достъп - без да се изисква допълнителен хардуер.
- Интерфейсът на Gigabit Ethernet LAN позволява високоскоростна връзка към спътник кабелната мрежа.
- Здрава сигурност, включително и WPA2, 802.1X с RADIUS сигурна идентификация и откриване на баждитска точка за достъп, да помогне на защитата на поверителна бизнес информация.
- Портал за удостоверяване подкрепя улеснява изключително сигурен, персонализирани достъп за гости с много права и роли.
- Лесна инсталация и интуитивен уеб-базирана конфигурация и съветника улесни бърз, лесен разгръщане и настройка за минути.
- Подкрепа за PoE дава възможност за лесен монтаж, без скъпо допълнително окабеляване.
- Елегантен дизайн с множество вътрешни антени и универсален монтаж комплект позволява монтаж на таван, стена или работен плот.
- Интелигентни QoS дава приоритет на трафика в мрежата, за да запазите критичните мрежови приложения, работещи при върхова производителност.
- Енергоспестяващи режим на сън и пристанищни контролни функции помогнат да увеличите енергийната ефективност.
- Режим Workgroup Bridge позволява да се разшири мрежата си, като безжично свързване към втората Ethernet мрежа.
- Подкрепа за IPv6 позволява да разгърне бъдещи мрежови приложения и операционни системи, без скъпи подобрения.
- Ограничена доживотна гаранция хардуер осигурява спокойствие.

Чл.2 ЗЗЛД

Спецификации

Таблица 1 изброява спецификации, съдържание на пакети, както и минималните изисквания за Cisco 500 Series точките за достъп.

Маса 1. Спецификации за точките на достъп Cisco WAP371 Small Business безжични

Спецификации	описание
Стандарти	IEEE 802.11ac, 802.11n, 802.11g 802.11b, 802.3af, 802.3u, 802.1X (удостоверяване на сигурността), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 сигурност), 802.11e (безжична QoS), IPv4 (RFC 791), IPv6 (RFC 2460)
Пристанница тип окабеляване	LAN Gigabit Ethernet автоматичното намиране Категория 5e или по-добре
Антени	Вътрешни антени, оптимизирани за монтаж на стена или таван
LED индикатори	Мощност, WLAN, LAN
Операционна система	Linux

Чл.2 ЗЗЛД

Чл.2 ЗЗЛД

КОП
АГ
Чл.2 ЗЗЛД

Lm/ly
чл.2 33ЛД

Спецификации	описание
Физически интерфейси	
Пристаица	10/100/1000 Ethernet, с поддръжка на 802.3af / в PoE, мощност порт за AC адаптер (не е включен)
Бутони	Бутон за рестартиране
Lock слот	Слот за заключване Kensington
светодиоди	Мощност, Wireless Ethernet
Физически спецификации	
Физически размери (Ш x Д x в)	9.05 x 9.05 x 1.69 инча (230 x 230 x 43 mm)
тегло	1.81 фунта или седемстотин и четиресетграм
възможностите на мрежата	
подкрепа VLAN	да
Брой на VLANs	1 управление VLAN плюс 16 VLANs за SSIDs
802.1X мостител	да
SSID-към-VLAN картографиране	да
избор Auto канал	да
Spanning дърво	да
Балансиране на натоварването	да
IPv6	да <ul style="list-style-type: none"> IPv6 поддръжка домакин IPv6 RADIUS, Syslog, Network Time Protocol (NTP), и т.н.
Layer 2	802.1Q базирани VLANs, 16 активни VLANs плюс 1 управление VLAN
Сигурност	
WPA / WPA2	Да, в това число Enterprise удостоверяване
Контрол на достъпа	Да, списък за контрол на достъп (ACL) плюс MAC ACL
Защитено управление	HTTPS
SSID излъчване	да
откриване точка Rogue достъп	да
Монтаж и Физическа сигурност	
Множество възможности за монтажа	Монтажна скоба за лесно монтиране на стена или таван
Физическо заключване	слот за заключване Kensington
Качество на обслужване	
QoS	Wi-Fi Multimedia и движение спецификация (WMM TSPEC), клиентски QoS
производителност	
Безжичен пропускателна	До 950-Mbps скорост на данни (реалния свят пропускателна способност ще варира)
Препоръчителна поддръжка на потребителите	До 64 съдвоятелната потребители, 30 активни потребители на радио
Точка за управление на множествен достъп	
Single Point Setup	да
Брой на точките за достъп в гнездо	8
Активни клиенти в гнездо	240
Конфигурация	
Уеб потребителски интерфейс	Вграден уеб потребителски интерфейс за лесна конфигурация, базиран на браузър (HTTP / HTTPS)
управление	
протоколи за управление	Уеб браузър, Протоколът Simple Network Management (SNMP) v3, Bonjour
дистанционно управление	да
сеч Събитие	Местните, дистанционно Syslog, сигнали по имейл

чл.2 33ЛД

чл.2 33ЛД

чл.2 33ЛД

КОПИ
АД 1
чл.2 33ЛД

4777
чл.2 33ЛД

Спецификация	описание																																						
диагностика на мрежата	Вписване и пакети улавяне																																						
Уеб надстройка на фирмуера	Firmware надстройка чрез уеб браузър, внесени / изнесени конфигурационен файл																																						
Dynamic Host Configuration Protocol (DHCP)	DHCP клиент																																						
IPv6 хост	да																																						
HTTP пренасочване	да																																						
Безжичен																																							
Честота	Два едновременни радиостанции (2,4 и 5 GHz)																																						
Радио и модулация тип	Dual радио, ортогонално разделяне на честотите (OFDM)																																						
WLAN	802.11n / av 3x3 множествен вход-множествен изход (MIMO) с 3 пространствени потоци при 5 GHz 2x2 MIMO с 2 пространствени потоци при 2.4 GHz 20-, 40- и 80-MHz канали за 802.11ac 20- и 40-MHz за 802.11n PHY скорост на данните до 1,6 Gbps																																						
проценти на данни, поддържани	802.11 динамичен избор на честота (DFS) 802.11a / 6 / r: <ul style="list-style-type: none"> • 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2 и 1 Mbps • 802.11n: 6.5 до 450 Mbps <ul style="list-style-type: none"> - 20-MHz честотна лента: MCS 0-15 за поддържаните скорости на трансфер - 40-MHz честотна лента: MCS 0-15 за поддържаните скорости на трансфер • 802.11ac: 6.5 до 1300 Mbps <ul style="list-style-type: none"> - 20-MHz честотна лента: MCS 0-9 за поддържаните скорости на трансфер - 40-MHz честотна лента: MCS 0-9 за поддържаните скорости на трансфер - 80-MHz честотна лента: MCS 0-9 за поддържаните скорости на трансфер 																																						
Радиочестотна лента и оперативните програми	<table border="0"> <tr> <td>802.11b</td> <td>802.11a</td> </tr> <tr> <td>2412</td> <td>5180</td> </tr> <tr> <td>2437</td> <td>5320</td> </tr> <tr> <td>2462</td> <td>5500</td> </tr> <tr> <td></td> <td>5700</td> </tr> <tr> <td>802.11n грама</td> <td></td> </tr> <tr> <td>2412</td> <td>802.11n 20 MHz (5 GHz Band)</td> </tr> <tr> <td>2437</td> <td>5180</td> </tr> <tr> <td>2462</td> <td>5320</td> </tr> <tr> <td></td> <td>5500</td> </tr> <tr> <td>802.11n 20 MHz (2,4-GHz Band)</td> <td>5700</td> </tr> <tr> <td>2412</td> <td>5825</td> </tr> <tr> <td>2437</td> <td></td> </tr> <tr> <td>2462</td> <td>802.11n 40 MHz (5 GHz Band)</td> </tr> <tr> <td></td> <td>5190</td> </tr> <tr> <td>802.11n 40 MHz (2,4-GHz Band)</td> <td>5510</td> </tr> <tr> <td>2422</td> <td>5795</td> </tr> <tr> <td>2437</td> <td></td> </tr> <tr> <td>2452</td> <td></td> </tr> </table>	802.11b	802.11a	2412	5180	2437	5320	2462	5500		5700	802.11n грама		2412	802.11n 20 MHz (5 GHz Band)	2437	5180	2462	5320		5500	802.11n 20 MHz (2,4-GHz Band)	5700	2412	5825	2437		2462	802.11n 40 MHz (5 GHz Band)		5190	802.11n 40 MHz (2,4-GHz Band)	5510	2422	5795	2437		2452	
802.11b	802.11a																																						
2412	5180																																						
2437	5320																																						
2462	5500																																						
	5700																																						
802.11n грама																																							
2412	802.11n 20 MHz (5 GHz Band)																																						
2437	5180																																						
2462	5320																																						
	5500																																						
802.11n 20 MHz (2,4-GHz Band)	5700																																						
2412	5825																																						
2437																																							
2462	802.11n 40 MHz (5 GHz Band)																																						
	5190																																						
802.11n 40 MHz (2,4-GHz Band)	5510																																						
2422	5795																																						
2437																																							
2452																																							
-припокриващи канали	<p>2.4 GHz</p> <ul style="list-style-type: none"> • 802.11b / r <ul style="list-style-type: none"> - 20 MHz: 3 • 802.11n <ul style="list-style-type: none"> - 20 MHz: 3 <p>5 GHz</p> <ul style="list-style-type: none"> • 802.11a <ul style="list-style-type: none"> - 20: 21 MHz • 802.11n <ul style="list-style-type: none"> - 20: 21 MHz - 40 MHz: 9 • 802.11ac 																																						

чл.2 33ЛД

чл.2 33ЛД

СЪГЛАСНО С ОРБИ

чл.2 33ЛД

КОПИ
АД
чл.2 33ЛД

41711
чл.2 ЗЗЛД

Спецификации	Описание
	20. 21 MHz - 40 MHz: 9 - 80 MHz: 5
Предадени изходна мощност	2.4 GHz <ul style="list-style-type: none"> • 802.11b: 17.0 +/- 1.5 стока @ CH6, всички проценти • 802.11g: 17.0 +/- 1.5 стока @ CH6, 6 Mbps • 802.11g: 15.0 +/- 1.5 стока @ CH6, 54 Mbps • 802.11n (HT20): 17.0 +/- 1.5 стока @ CH6, MCS0 • 802.11n (HT20): 14.0 +/- 1.5 стока @ CH6, MCS15 • 802.11n (HT40): 12.0 +/- 1.5 стока @ CH6, всички проценти 5 GHz UNII-1 (5150-5250 MHz) <ul style="list-style-type: none"> • 802.11a: 10 +/- 1.5 стока @ всички проценти • 802.11ac (HT20): 10 +/- 1.5 стока @ всички проценти • 802.11ac (HT40): 11 +/- 1.5 стока @ всички проценти • 802.11ac (HT80): 11 +/- 1.5 стока @ всички проценти 5 GHz UNII-2 (5250-5350 MHz) / UNII-2 разширяване (5470-5725 MHz) <ul style="list-style-type: none"> • 802.11a: 16.0 +/- 1.5 стока @ 6 Mbps • 802.11a: 15.0 +/- 1.5 стока @ 54 Mbps • 802.11ac (HT20): 16.0 +/- 1.5 стока @ MCS0 • 802.11ac (HT20): 13.0 +/- 1.5 стока @ MCS9 • 802.11ac (HT40): 18.0 +/- 1.5 стока @ MCS0 • 802.11ac (HT40): 13.0 +/- 1.5 стока @ MCS9 802.11ac (HT80): 13.0 +/- 1.5 стока @ всички проценти 5 GHz UNII-3 (5725-5850 MHz) <ul style="list-style-type: none"> • 802.11a: 18.0 +/- 1.5 стока @ 6 Mbps • 802.11a: 15.0 +/- 1.5 стока @ 54 Mbps • 802.11ac (HT20): 18.0 +/- 1.5 стока @ MCS0 • 802.11ac (HT20): 13.0 +/- 1.5 стока @ MCS9 • 802.11ac (HT40): 18.0 +/- 1.5 стока @ MCS0 • 802.11ac (HT40): 13.0 +/- 1.5 стока @ MCS9 • 802.11ac (HT80): 18.0 +/- 1.5 стока @ MCS0 • 802.11ac (HT80): 13.0 +/- 1.5 стока @ MCS9
Безжичен изолация	Безжичен изолация между клиенти
Външни антени	Нито един
Вътрешни антени	Вътрешен фиксиран PIFA антена
Антена печалба в DBI	2 DBI всяка антена
Чувствителност на приемника	2.4 GHz <ul style="list-style-type: none"> • 802.11b: -86 стока @ 11 Mbps • 802.11g: -75 стока @ 54 Mbps • 802.11n (HT20): -69 стока @ MCS15 • 802.11n (HT40): -86 стока @ MCS15 5 GHz <ul style="list-style-type: none"> • 802.11a: -79 стока @ 54 Mbps • 802.11ac (HT20): -82 стока @ MCS9 • 802.11ac (HT40): -59 стока @ MCS9 • 802.11ac (HT80): -57 стока @ MCS9
система Wireless разпределение (WDS)	да
Бързо роуминг	да
Множество SSIDs	16
Безжичен VLAN карта	да
WLAN сигурността	да
Wi-Fi Multimedia (WMM)	Да, с непланирани автоматично включване спаз

чл.2 ЗЗЛД

чл.2 ЗЗЛД

чл.2 ЗЗЛД

чл.2 ЗЗЛД
КОИ
АД 1

5mm.
чл.2 33ЛД

Спецификации	описание
Режими на работа	
Точка за достъп	Режим на точка за достъп, WDS Bridging, режим на Workgroup Bridge
опазване на околната среда	
опции за захранване	IEEE 802.3at Ethernet комутатор Cisco мощност инжектор: SB-PWR-INJ2-xx AC адаптер: SB-PWR-12V2A-xx Пикова мощност: 17W
съгласие	<p>безопасност</p> <ul style="list-style-type: none"> • UL 60950-1 • CAN / CSA-C22.2 No. 60950-1 • IEC 60950-1 • EN 60950-1 Радио одобрения • FCC Част 15.247, 15.407 • RSS-210 (Канада) • EN 300,328, 301,893 EN (Европе) • AS / NZS 4268.2003 (Австралия и Нова Зеландия) EMI и чувствителност (клас B). • FCC Част 15.107 и 15.109 • ICES-003 (Канада) • EN 301,489-1 и -17 (Европе)
Работна температура	0° до 40° C (32° до 104° F)
Температура на съхранение	-20° до 70° C (-4° до 158° F)
Работна влажност	10% до 85% без кондензация
влажност на съхранение	5% до 90% без кондензация
Системна памет	256 MB RAM 128 MB флаш
Съдържание на пакета	
<ul style="list-style-type: none"> • Cisco WAP371 Wireless-AC / N Dual Radio Access Point • Таван / стенов монтаж комплект • Ръководство на потребителя на CD-ROM • Ръководство за бърз старт • Ethernet мрежов кабел 	
Минимални изисквания	
<ul style="list-style-type: none"> • Switch / маршрутизатор с PoE поддръжка, PoE инжектор, или Адаптер за променлив ток • Уеб-базирана конфигурация. Java уеб браузър с активиран 	
Гаранция	
Точка за достъп	ограничена дължителна

чл.2 33ЛД

ВЪРХУ С ОБРЕГНАТА

СММ,
чл.2 ЗЗЛД

Информация за поръчка

Таблица 2 показва продукта номера и описания за да поръчате по-лесно.

Таблица 2. Информация за поръчка на продукта

Номер на частта	Описание
WAP371-A-K9	Cisco WAP371 Wireless-AC / N Dual Radio Access Point c Single Point Setup (САЩ, Канада, Мексико)
WAP371-C-K9	Cisco WAP371 Wireless-AC / N Dual Radio Access Point c Single Point Setup (Китай)
WAP371-E-K9	Cisco WAP371 Wireless-AC / N Dual Radio Access Point c Single Point Setup (Europe)
WAP371-K-K9	Cisco WAP371 Wireless-AC / N Dual Radio Access Point c Single Point Setup (Корея)

Cisco Limited Lifetime Warranty за Cisco Systems, Inc.

Това Cisco Small Business продукт идва с ограничен живот гаранция хардуер. гаранционните условия на продукта и друга информация, приложими към Cisco продукти са на разположение на [Гаранция Page](#).

Service Cisco Small Business Support

Тази допълнителна услуга предлага достъпни, 3-годишен, мир разумен избор покритие. Този абонамент-базиран, ниво устройство услуга ви помага да защитите вашата инвестиция и да се извлече максимална стойност от Cisco Small Business продукти. Предоставените от Cisco и подкрепени от вашия доверен партньор, това комплексно обслужване включва софтуерни ъпдейти, разширен достъп до Центъра за поддръжка за малкия бизнес на Cisco, както и ускорена подмяна на хардуер, трябва да бъде задължително.

За повече информация

За повече информация за Cisco Small Business продукти и решения, посетете [Small Business Page](#) или

[Страница на продукт](#).

чл.2 ЗЗЛД



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Отпечатано в САЩ

© 2015 Cisco и / или нейните клонове. Всички права запазени. Този документ е Cisco обществена информация.

С78-732143-04 12/16

Страница 10/11

чл.2 ЗЗЛД

КО чл.2 ЗЗЛД
Ан 1

6950
Чл.2 33ЛД

CAT. N° 6 950 06 / 6 950 07 / 6 950 08 / 6 950 09



MULTI-OUTLET EXTENSION - 4X2P+E – 1.5m / 3m / 5m / 7.5m CORD

Pack (number of units)	10
Volume (dm ³)	15,637
Weight (g)	5 664,00

Product characteristics

General characteristics

German standard multi-outlet extensions - Unswitched

- Wall-mounting possibilities with the packaging accessory
- 90° socket for connecting a transformer without blocking another socket
- Power supply cord 1.5 m (3G 1.5mm²) or 3 m (3G 1.5 mm²) or 5 m (3G 1.5 mm²) or 7.5 m (3G 1.5 mm²)
- 16 A max. power 3 500 W at 230 V

3 m cord

- 4 x 2P+Earth

Multi-outlet extensions with cord - German standard

- To connect several devices equipped with plugs with or without earth: appliances class I (simple insulation) or class II (double insulation), lamps, PC, TV, stereo, etc.
- Extra-flat (only 30 mm thick): can be slid underneath furniture

Documentation

- Catalogue pages & additional information**
 - [Description page \(p.613\)](#)

- Agreements & certificates of conformity**
 - [SNI - PCS.00174.01](#)
 - [OC / CB - 68773D](#)
 - [MEEI - UP 69254786 0001](#)

- Installation instructions & related documents**
 - [N000013855/02](#)

Чл.2 33ЛД

* All prices given are the manufacturer's list prices for professional customers, and are given for information only. They are not to be considered as a mandatory retail price - Basis : before-tax price list, April 2016
The information given in this e-catalogue (characteristics and dimensions) may be amended, and therefore does not represent an undertaking on our part. The e-catalogue is reserved for professionals only. You are also reminded that all products must be installed by a qualified professional in accordance with the installation rules.

КОПИЯ С ОРИГИНАЛА

Чл.2 33ЛД

Чл.2 33ЛД
КОНТРАКТ
АД 1