

Cisco Physical Security Multiservices Platform

The Cisco® Physical Security Multiservices Platform encompasses a suite of three server models that offer organizations innovative choices for network digital recording and playback. With built-in analog video encoder cards and Fiber Channel interfaces, the Multiservices Platforms enable direct connectivity from analog closed-circuit television (CCTV) cameras and for IP video directed from the network, and allow playback of the recordings over an IP network. Viewing recorded video streams is possible anytime, anywhere.

Fully integrated with Cisco Video Surveillance Manager Software, each Multiservices Platform model provides high-quality MPEG-4 encoding and offers a wide array of features in a single, easy-to-use, and easy-to-deploy component. Each platform offers robust, scalable, and flexible options for replacing traditional analog or digital video recorders in a variety of video surveillance deployments.

The Cisco Physical Security Multiservices Platform includes the following devices

- 1-rack-unit (RU) Multiservices Platform—An entry-level device that supports up to four 750GB or 1TB SATA hard drives. Supports one of the following Option Cards at a time:
 - 1 x CIVS-FC-1P—FiberChannel Card
 - 1 x CIVS-ES-16EC—16 Channel CIF Encoder
- 2RU Multiservices Platform—Supports up to twelve 750GB or 1TB SATA hard drives. Supports the following Option Card:
 - 1 x CIVS-FC-1P—FiberChannel Card
- 4RU Multiservices Platform—Supports up to twenty-four 750GB or 1TB SATA hard drives. Supports the following Option Cards:
 - 1 x CIVS-FC-1P—FiberChannel Card
 - 1 or 2 x CIVS-ES-16EC—16 Channel CIF Encoder

Figure 1. Cisco Physical Security Multiservices Platforms



Cisco Physical Security Multiservices Platforms offer a variety of benefits, including:

- High storage density
- System resiliency
- Hardware diagnostics
- High-performing motherboards
- Expansion capability

Key Features

Key features of the Cisco Physical Security Multiservices Platforms include:

- 900W high-efficiency power supplies with redundancy option
- High-performance fans with built-in redundancy for optimized cooling
- PCI-X and PCI-e expansion slots that support Fiber Channel interfaces and video encoding cards
- Hot-swappable hard-disk drives that can be removed without powering down the server
- System health and management features, including redundant cooling fans, a convenient power switch, reset button, and LED indicators
- RAID5 for 2RU and 4RU Platforms
- Efficient field serviceability.

Connectors

Table 1 describes the connectivity and connectors of the Cisco Physical Security Multiservices Platforms.

Table 1. Multiservices Platform I/O Connections

Item	Specification
USB 2.0	2 ports standard
10/100/1000M Ethernet	2 ports standard
Baseband video	16 to 48 ports, depending on platform and video card options
Serial (RS-232)	1 port standard
Fiber Channel	1 port optional

Specifications

Tables 2-4 provide mechanical specifications for the Cisco Physical Security Multiservices Platforms.

Table 2. 1RU Mechanical Specifications

Item	Specification
Housing	1RU x 19 in., 4 x SATA drive bays
Motherboard	Intel Core2 Duo Processor E4300 1.80 GHz', 2GB DDR2 SDRAM, one universal (x8) PCI-Express or one 64-bit PCI-X 133MHz slot
LEDs	Power, hard-drive activity, network activity, system overheat/fan fail
Weight	38 lb (17.2kg)
Dimension	1.7 in. (43 mm) x 17.2 in. (437 mm) x 19.8 in. (503 mm)
Power Supply	300 W
Power Requirements (no option cards)	<ul style="list-style-type: none"> • 110V/60Hz: Spinup Surge: 226 W, Steady-State: 139 W • 220V/60Hz: Spinup Surge: 237 W, Steady-State: 150 W
Operating Temperature	50° to 95°F (10° to 35°C)

Table 3. 2RU Multiservices Platform Mechanical Specifications

Item	Specification
Housing	2RU x 19 in., 12 x SATA drive bays
Motherboard	Single Quad core Intel Xeon Harpertown E5410 Processor, 2GB DDR2 SDRAM, three (x8) PCI-e slots (2 with Gen 2.0) one (x4) PCI-e slot (using x8 slot)
LEDs	Power, hard drive activity, network activity, system overheat/fan fail
Weight	52 lb (23.6 Kg)
Dimension	3.5 in. (89 mm) x 17.2 in. (437 mm) x 25.5 in. (648 mm)
Power Supply	900W (1+1) redundant power supply
Power Requirements (no option cards)	<ul style="list-style-type: none"> • 110V/60Hz: Spinup surge: 596 W, steady-state: 345 W • 220V/60Hz: Spinup surge: 600 W, steady-state: 356 W
Operating Temperature	50° to 95°F (10° to 35°C)

Table 4. 4RU Multiservices Platform Mechanical Specifications

Item	Specification
Housing	4RU x 19", 24 x SATA drive bays
Motherboard	Single Quad core Intel Xeon Harpertown E5410 Processor, 2GB DDR2 SDRAM, three (x8) PCI-e slots (2 with Gen 2.0) one (x4) PCI-e slot (Using x8 slot)
LEDs	Power, hard drive activity, network activity, system overheat/fan fail
Weight	75 lb (34 Kg)
Dimension	7.0 in. (178 mm) x 17.2 in. (437 mm) x 26.0 in. (660 mm)
Power Supply	900 W (1+1) redundant power supply
Power Requirements (no option cards)	<ul style="list-style-type: none"> • 110V/60Hz: Spinup surge: 982 W, steady-state: 455 W • 220V/60Hz: Spinup surge: 926 W, steady-state: 450 W
Operating Temperature	50° to 95°F (10° to 35°C)

Certifications

Please visit the Product Approval Status (PAS) tool for country approval status:

<http://tools.cisco.com/cse/prdapp>

Ordering Information

To place an order, visit the [Cisco Ordering Homepage](#). To download firmware, visit the [Cisco Software Center](#). Table 5 provides ordering information for the Cisco Physical Security Multiservices Platforms.

Table 5. Multiservices Platform Ordering Information

Part Number	Description
CIVS-MSP-2RU	2RU chassis with motherboard, RAID controller, one 900 W power supply, one CPU, (no drives or option cards)
CIVS-MSP-4RU	4RU chassis with motherboard, RAID controller, one 900 W power supply, one CPU, (no drives or option cards)
CIVS-MSP-1RU	1RU chassis with motherboard and power supply (no drives or option cards)
CIVS-HDD-750	750GB SATA drive for CIVS-MSP platforms
CIVS-HDD-1000	1TB SATA drive for CIVS-MSP platforms
CIVS-PS-900	Redundant 900 W power supply option for for 2RU and 4RU platforms only
CIVS-FC-1P	PCI-e Fiber Channel option for CIVS-MSP platforms
CIVS-ES-16EC	Cisco Video Surveillance 16 channel, PCI-X, CIF encoder card with software license option for the 1RU and 4RU platforms only

Availability

The Cisco Physical Security Multiservices Platforms are available through Cisco Authorized Technology Provider (ATP) Partners.

Service and Support

Cisco and our certified partners can help you accelerate success and improve the return on your investment in a Cisco Physical Security Solution. The Cisco lifecycle approach to services defines the requisite activities at each phase of the solution lifecycle:

- Reduce deployment costs by identifying the features that will best meet your business requirements
- Accelerate migration by assessing the readiness of your network to support the system and by developing a sound design
- Support smooth implementation through effective planning and expert installation, configuration, and integration
- Increase operational efficiency and extend the value of your investment with award-winning technical support

For more information about Cisco services, visit <http://www.cisco.com/go/services>.

For More Information

For more information about the Cisco Physical Security Multiservices Platforms, visit <http://www.cisco.com/go/physicalsecurity> or contact your local account representative.



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