19"/2 Cisco Router RM214

Cisco router in a 19inch2 form factor

The 19”/2 Cisco Router RM200 is a high performance router in a compact and rugged design. It’s based on the Cisco 5915 ESR card. It supports Cisco IOS and is configured through the standard Cisco CLI.

Mounting

The 19”/2 standard enables flexible mounting with customized brackets. The unit can be mounted in a 19” rack, half racks, directly to a surface and in any angle.

Built to take a beating

The router is built to withstand the harshest conditions over the long haul. It features aluminium casing, rugged MIL connectors for easy integration and will operate down to -40 C.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

Features

- 10-32 VDC
- Passively cooled

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Connector Interfaces

X6 DC IN (front)	• 1x Power
SERVICE (back)	• 1x RS232 Service
X1 (front)	• 2x ETH 100BASE-TX LAN
X2 (front)	• 1x ETH 100BASE-TX WAN
X3 (front)	• 1x ETH 100BASE-TX LAN
X4 (front)	• 1x RS232 CONSOLE
X5 (front)	• 1x ETH 100BASE-LX WAN

Other Interfaces

5x LAN/WAN indicator (front)
1x Status indicator (front)

Technical Specification

LAN 100BASE-LX	100BASE LX standard with SM 1310nm
LAN 100BASE-TX	100BASE-TX
MIL-STD-1275D	5.3.2.2 5.3.2.3 5.3.2.4
Polarity protection	Protected against polarization failure on the power input in the voltage range of normal operation.
Power consumption	30W
Power input	10-32 VDC
Coating and color	Dupont AE0305-6603120 (RAL6031)
Cooling	Passively cooled
Dimensions Width and Height	220x44mm (8,66x1,74 inch) (WxH)
Earth point	M6 12mm
Surface treatment chassis	Chromit-Al
Weight	<3kg
MTBF	183465h

Environmental Specification (*designed to meet)

Functional Shock - Operating*	MIL-STD-810G. Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment 40g 11 ms
High temperature - Operating*	MIL-STD-810G, method 501.5, Procedure II - Operation 65 °C
High temperature - Operating (Optional)*	MIL-STD-810G, method 501.5, Procedure II - Operation 71 C (Optional)
High temperature - Storage*	MIL-STD-810G, Method 501.5, Procedure I - Storage 71 °C (160 °F)
Humidity*	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 %rh Ten 24-hour cycles
IP Class (Solid Particle Protection)*	IP Class 6X
IP Class (Water)*	IP Class X5
Low air pressure - Rapid Decompression*	MIL-STD-810G, Method 500.5, Procedure III - Rapid Decompression 75.2kPa, corresponding to 2,438m (8.000 ft) 17kPa, corresponding to 12192m (40.000 ft)
Low air pressure - Operating*	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4572m (15.000 ft)
Low temperature - Operating*	MIL-STD-810G, method 502.5, Procedure II - Operation -40 °C (-40 °F)
Low temperature - Storage*	MIL-STD-810G, method 502.5, Procedure I - Storage -40 C (-40 °F)
Noise level*	Maximum noise level of 40dB SPL A-weighting @ 1m (3,3 ft) distance
Salt fog*	MIL-STD-810G Method: 509.5 5% +- 1% (by weight) Two cycles, 24h wet + 24h dry /cycle
Temperature Shock - Operating*	MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature 55 °C (131 °F) - 40 °C (-40 °F)
Transit drop, in shipping package*	MIL-STD-810G, method 516.6, Procedure IV - Transit Drop. Table 516.6-VI, Transit drop test, < 45.4 kg (100 lbs), < 91 cm (36 inch), Manpacked or man-portable
Vibration - Helicopter*	MIL-STD-810G. Method 514.6, Procedure I - General vibration, Category 14 - Rotary wing aircraft - helicopter
Vibration - Loose Cargo*	MIL-STD-810G. Method 514.6, Procedure II - Loose cargo transportation, Category 5 - Truck/ trailer - loose cargo
Vibration - Tracked Vehicles*	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, tracked vehicles
Vibration - Wheeled Vehicle*	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, wheeled vehicles

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EMC Specification (*designed to meet)	
CE EMC*	EMC Directive 2014/30/EU.
CE EMI*	EN61000-6-3:2007
CE EMS*	EN55032:2015
EMI conducted CE101*	MIL-STD-461F Method: CE101
EMI conducted CE102*	MIL-STD-461F, Method CE102 BASIC CURVE 10kHz to 10MHz
EMI radiated RE102*	MIL-STD-461F 2MHz – 18Ghz Navy Mobile & Army
EMS conducted CS101*	MIL-STD-461F, Method CS101, conducted suceptibility, power leads CURVE #1 30Hz to 150kHz
EMS conducted CS114*	MIL-STD-461F 10kHz - 200MHz Army, Ground
EMS conducted CS115*	MIL-STD-461F Conducted susceptibility, bulk cable injection, impulse excitation
EMS conducted CS116*	MIL-STD-461F 10 kHz to 100 MHz
EMS radiated RS103*	MIL-STD-461F 2MHz to 1GHz Army
ESD*	EN61000-4-2:2009 Level 3 EN50024:1998 Performance criteria B + A1:2001 + A2:2003