

# 19"/2® Cisco Router RM301 Preliminary



The 19"/2® Cisco Router RM301 is a high performance router in a compact and rugged design. It is based on the Cisco 5940 ESR card that features low power consumption and advanced network capabilities such as QoS. It supports Cisco IOS and is configured through the standard Cisco CLI.

## Built to take a beating

The Cisco Router RM301 is built from the ground up to withstand the harshest conditions over the long haul. It has an aluminium casing and it runs on ruggedized hardware, suitable for harsh environments. On top of this toughness, we offer lifetime support to ensure your Cisco Router maintains its performance for many years to come.

## Mounting

All 19"/2 units can be mounted together in several different ways:

- One 19"/2 unit can be mounted in a 19" rack
- Two 19"/2 units can be mounted together in a 19" rack
- Two or more devices can also be stacked on top of each other

# 19"/2® Cisco Router RM301

Technical Specification	
Description	Router based on the Cisco 5940 ESR
Cisco IOS support	Enterprise base, Advanced enterprise
Routing	RIP v1/v2, OSPF, EIGRP, BGP, CDP, IGMP v1/v2, CGMP, PIM v1/v2, NAT, IP policy routing, etc.
QoS	802.1p (COS), WRED, WFQ, LLQ, LFI, Traffic Policing etc.
Voice	Cisco unified communication
Management	Telnet, Console, SSH, TFTP, HSRP, Syslog, DHCP, NTP, SNMP v2/v3, RADIUS/TACACS+ etc.
Security	AAA, IPS, IPSec, SSL/TLS, Time-based ACL, PAP/CHAP, DMVPN, SRTP etc.
Interface (front)	2 x LAN RJ45 (10/100/1000 Mbps) 2 x LAN Fiber Tyco PRO BEAM® mini, Single Mode (1000 Mbps, 1310nm) 2 x USB Power 5 V output 1 x Console serial (RJ45) 1 x Console (USB) 1 x System button 1 x DC In 10-32 V
Interface (back)	1 x Service port
Power Consumption	< 35 W (excl. 5V output via USB) < 50 W (incl. 5V output via USB)
Transient power protection	Designed to meet MIL-STD-1275D
Case	Aluminium
Dimensions	220x44x350 mm (W x D x H)
Weight	TBD
Certification	Designed to meet IP54, MIL-STD-810, MIL-STD-461 and MIL-STD-1275D
Other	No fans

Designed to meet:

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, (procedure II, III)	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	Five 48 h test cycles	-
Shock Method 516.5, (procedure I, IV)	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, (Procedure I)	-	Salt concentration of 5 % +- 1 % (48 h wet +48 h dry/cycle)
Temperature Method 501.4 & Method 502.4, (procedure I, II)	-40 °C to 55 °C (-40 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock Method 503.4 (procedure I)	-40 °C to +55 °C (-40 °F to +131 °F)	-
Vibration Method 514.5		
- Category 2	-	✓
- Category 14	✓	-
- Category 20 a & b	✓	-

\* Only with optional Peli Case

Designed to meet:

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	10 kHz to 18 GHz	Navy Mobile & Army
EMI radiated Method RS103	2 MHz to 1 GHz	Army
EMI conducted Method CE102	10 kHz to 10 Mhz	Basic Curve
EMI conducted Method CS101	30Hz to 150 kHz	Curve #1
EMI conducted Method CS114	10 kHz to 200 MHz	Army
EMI conducted Method CS115	Tested according to standard	Army
EMI conducted Method CS116	10 kHz to 100 MHz	Army