RCAT4948 - 2U RUGGED CISCO SWITCH

Hardened 2U 4948E Ethernet Switch

The rugged RCAT-4948E is a ruggedized 2U 4948E Cisco Ethernet Switch machined out of solid aircraft aluminum. It extends to military applications with enhancements that support the deployment of data and multimedia services that require thermal, shock, vibration, altitude, and humidity conditions not offered by the standard commercial Cisco version.

CUSTOM BUILT RUGGED SYSTEM
MILITARY-GRADE CISCO

> AIRCRAFT ALUMINUM CHASSIS
> LATEST CISCO TECHNOLOGY
> VIBRATION RESISTANT
> MIL-SPEC TESTED
> BUILT IN THE USA

The RCAT-4948E chassis is milled from solid blocks of aircraft aluminum to provide unmatched structural rigidity. The aluminum is 6061T-651 strain hardened structural aircraft aluminum that is 0.25" to 0.50" thick. Custom connections, external cable sets, and custom AC or DC power requirements are available.

For more information on the Rugged RCAT-4948E CISCO Switch, please visit www.core-systems.com

unitronix
THE EMBEDDED EDGE

9-37 Currans Road, Cooranbong, NSW 2265
+61 (0)2 4977 3511
unisales@unitronix.com.au   www.unitronix.com.au

RCAT4948 - 2U RUGGED CISCO SWITCH

TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 3.50 in (8.90 cm), Width - 17.40 in (44.19 cm), Depth - 22.00 in (55.88 cm) Weight - 22 lbs (9.98 kg)
CISCO TECHNOLOGY	Integrated Cisco Catalyst 4948E Ethernet Switch (refer to Cisco.com for a full list of specications); Cisco IOS Software- Enterprise Services, IP Base or LAN Base Image (pre-loaded); Support for Layer 2 and 3 Forwarding, EEM, QoS, IPv6 Switching and Routing, Extended MAC address table to enable server virtualization
PORTS	48x 10/100/10000 Gigabit Ethernet (BASE-T) Downlinks (over Copper); 2x 10 Gigabit Ethernet (10GBASE-CX4) Uplinks, Compatible w/ Copper Twinax Media; 1x 10 Gbps Multi-mode Fiber (10GBASE-LRM), Compatible w/ 62.5 micron / 500 modal Bandwidth; 1x 1 Gbps Multi-mode Fiber (1000BASE-SX), Compatible w/ 50.0 micron / 500 modal Bandwidth; 1x EIA/TIA-232 Serial Console (Out-of-band management); 1x 100BASE-T Management Ethernet (In-band management)
COOLING	80mm high speed, high volume fans (4 rear mounts); Thermostatically controlled via a Core Systems HeatSense fan controller
POWER	24 / 28VDC Voltage Input; Power Consumption: <320W Max
OPTIONS	Starter Cable Set (MIL-38999 to RJ-45/DB9); Custom Cable Set (Customer Specied)

ENVIRONMENTAL SPECIFICATIONS

OPERATIONAL TEMP.	MIL-STD-810F, Method 501.5 Procedures I/II; -15˚C to +55˚C
STORAGE TEMP.	MIL-STD-810F, Method 501.5, Procedures I/II; -55˚C to +85˚C
HUMIDITY	MIL-STD-810F, Method 507.4; 48 Hour, 95% RH 40-65C (with conformal coat option)
ALTITUDE	MIL-STD-810F, Method 500.4; 12,500ft operation with 40,000ft transport
VIBRATION	MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hz, 60min/axis
SHOCK	MIL-STD-810G, Method 516.6, Procedures I/V; 20g, 11msec - functional shock; 40g, 11msec crash hazard shock
OTHER	MIL-STD-461F CE & RE emissions (with 461 filter option)