Cisco Catalyst - expansion module - Gigabit Ethernet x 16(IEM-3300-16T=)

Cisco Catalyst - Expansion module - Gigabit Ethernet x 16 - for Catalyst IE3300 Rugged Series

The Cisco Catalyst IEM-3300-16T= expansion module is engineered to enhance the performance and reliability of your network infrastructure. Designed for seamless integration into existing setups, it features 16 ports of 10/100/1000 connectivity, ensuring high-speed data transfer and efficient network operations. With support for a wide range of protocols and standards, including Gigabit Ethernet and IEEE 802.3ad (LACP), this module is ideal for businesses looking to upgrade or expand their network capabilities.

Its robust design allows for operation in a wide temperature range, making it suitable for a variety of environments. Additionally, the module's compliance with numerous standards and protocols ensures it can meet the demands of complex networking tasks while maintaining high levels of security and reliability. Whether you're looking to improve network performance, enhance security, or ensure consistent connectivity, the Cisco Catalyst IEM-3300-16T= is equipped to meet the challenge.

Key Selling Points

16 Gigabit Ethernet ports for high-speed connectivity
Operational in extreme temperatures ranging from -40°C to 70°C
Supports advanced features like QoS and VLAN Trunking Protocol v.3
Highly reliable with over 1.5 million hours MTBF
Compliant with a broad range of standards for seamless integration

Product Features

Robust performance
Equipped with 16 RJ-45 connectors for 1000Base-T, this Cisco Catalyst expansion module ensures high-speed Gigabit Ethernet connectivity, catering to demanding networking environments.

Exceptional reliability
Boasting an impressive MTBF (Mean Time Between Failures) of 1,594,210 hours, this module is designed for long-term, dependable operation in various conditions, from -40°C to 70°C.

Comprehensive standards compliance
Meets a wide array of compliance standards including IEEE 802.1Q, IEEE 802.3ad (LACP), and more, ensuring compatibility and interoperability across diverse network setups.

Advanced networking features
Features such as Quality of Service (QoS), VLAN Trunking Protocol (VTP) v.3, and Rapid Reconfiguration of Spanning Tree (RSTP) support, enhance network efficiency, security, and flexibility.

Durable and secure
With an IP30 rating and compliance with numerous safety and environmental standards, this module is built to withstand harsh industrial environments while maintaining network security.

Main Specifications

Product Description	Cisco Catalyst - expansion module - Gigabit Ethernet x 16
Device Type	Expansion module
Form Factor	DIN rail mountable
Ports	Gigabit Ethernet x 16
Dimensions (WxDxH)	8.63 cm x 13.5 cm x 15.2 cm
Weight	934 g
Cabling Type	Ethernet 1000Base-T
Data Link Protocol	1GbE
Compliant Standards	IEEE 1588v2, IEEE 802.1ab (LLDP), IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3ah, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Manufacturer Warranty	5-year warranty

Designed For	Catalyst IE3300 Rugged Series

Extended Specification

General

Device Type	Expansion module
Form Factor	DIN rail mountable

Expansion / Connectivity

Interfaces	16 x 1000Base-T - RJ-45

Manufacturer Warranty

Service & Support	Limited warranty - 5 years

Networking

Ports	Gigabit Ethernet x 16
Connectivity Technology	Wired
Cabling Type	Ethernet 1000Base-T
Data Link Protocol	Gigabit Ethernet
Features	PVST+, MSTP support, RSTP, Cisco Gigabit EtherChannel, VTP v.3, IGMP filtering, IGMP querier, LLDP support, MAC address filtering, NTP, UDLD, VTP v.2, MIB, DHCP server, DHCP snooping, DAI, RSPAN, SCP, SmartPort technology, SNMP support, SSH support, Syslog support, RADIUS support, BPDU, QoS
Compliant Standards	IEEE 1588v2, IEEE 802.1ab (LLDP), IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3ah, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z

Miscellaneous

MTBF	1,594,210 hours
Compliant Standards	AS/NZS CISPR 32 Class A, CISPR 11 class A, CISPR 32 Class A, CISPR 35, CNS 13438 Class A, EN 300 386, EN 55032, EN 61000-4-10, EN 61000-4-16, EN 61000-4-17, EN 61000-4-18, EN 61000-4-2, EN 61000-4-29, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN55024, FCC CFR47 Part 15, ICES-003 Class A, KN32 Class A, KN35, VCCI Class A, EN 50121-4, EN 60079-0, EN 61000-6-1, EN 61000-6-2, EN 61000-6-4, EN 61326-1, IEC 60079-0, IEC 60950-1, IEC/EN 61010-2-201, IEEE 1613, IP30, UL 121201, UL 62368-1, UL/CSA 60079-0, UL/CSA 61010-2-201, UL/CSA60950-1, EN 60068-2-52, EN 60068-2-60, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, MIL-STD-810

Power

Power Consumption Operational	13 Watt

Environmental Parameters

Min Operating Temperature	-40 °C
Max Operating Temperature	70 °C

Dimensions & Weight

Width	8.63 cm
Depth	13.5 cm
Height	15.2 cm
Weight	934 g

Compatibility Information

Designed For	Cisco Catalyst IE3300 Rugged Series