



Data sheet MACH102-8TP - MACH102-8TP

Industrial Ethernet:Workgroup Switches:10/24 port Fast/Gigabit Ethernet Workgroup switch :MACH102-8TP

Name MACH102-8TP



Delivery informations

Document created at 09-08-2010

Availability available

Product description

Description 26 port Fast Ethernet/Gigabit Ethernet Industrial Workgroup Switch (fix installed: 2 x GE, 8 x FE; via Media Modules 16 x FE), managed, Software Layer 2 Professional, Store-and-Forward-Switching, fanless Design

Port type and quantity Up to 26 Ethernet ports, thereof up to 16 Fast-Ethernet ports via media modules realisable; 8x TP (10/100 BASE-TX, RJ45) Fast Ethernet ports and 2 Gigabit Combo ports fix installed

Type MACH102-8TP

Order No. 943 969-001

More Interfaces

Power supply/signaling contact 1 x plug-in terminal block, 2-pin, output manual or automatic switchable (max. 1 A, 24 V DC bzw. 24 V AC)

Network size - length of cable

Multimode fiber (MM) 50/125 µm Fast Ethernet: cf. SFP LWL module M-FAST SFP-MM/LC; Gigabit Ethernet: cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC

Multimode fiber (MM) 62.5/125 µm Fast Ethernet: cf. SFP LWL module M-FAST SFP-MM/LC; Gigabit Ethernet: cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC

Single mode fiber (SM) 9/125 µm Fast Ethernet: cf. SFP LWL module M-FAST SFP-SM/LC and M-FAST SFP-SM+/LC; Gigabit Ethernet: cf. SFP LWL module M-SFP-LX/LC

Single mode fiber (LH) 9/125 µm (long haul transceiver) Fast Ethernet: cf. SFP LWL modul M-FAST SFP-LH/LC; Gigabit Ethernet: cf. SFP LWL modul M-SFP-LH/LC and M-SFP-LH+/LC

Power requirements

Operating voltage 100 - 240 VAC, 47 - 63 Hz

Rated current 0.4 - 0.2 A

Software

Management serial Interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP

Diagnostics LEDs, log-file, syslog, signal contact, RMON (statistic, history, alarms, events), port mirroring, topology discovery 802.1AB, cable diagnostic

Configuration Comand line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HiDiscovery, auto-configuration adapter (ACD11, ACA21-USB), Watchdog configuration; integrated DHCP server

Security Port security (IP and MAC), SNMP V3, SSH, authentication (802.1x)

Redundancy functions HIPER-ring (ring structure), MRP (IEC-ring functionality), RSTP 802.1D-2004, redundant network/ring coupling, dual homing, link aggregation

Filter QoS 4 Klassen, Portpriorisierung (IEEE 802.1D/p), VLAN (IEEE 802.1Q), shared VLAN learning, Multicast (IGMP Snooping/Querier), Multicast Detection unknown Multicast, Broadcastlimiter, Fast Aging, Multicast GMRP IEEE 802.1D

Industrial Profiles EtherNet/IP, PROFINET, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix

Time synchronisation SNTP server, realtime clock with energy buffer

Flow control Flow Control 802.3x, Port Priority 802.1D/p, Priority (TOS/DIFFSERV), Prio (MAC/IP), Prio Mapping (TOS Layer2), Traffic Shaping (Unicast, Multicast, Broadcast) Ingress / Egress

Ambient conditions

MTBF 15.67 years (MIL-HDBK-217F Gb 25°C) (without media modules)

Mechanical construction

Dimensions (W x H x D) 448 x 310 x 44 (without fixing bracket)

Scope of delivery and accessories

Scope of delivery MACH100 device, terminal block for signal contact, 2 brackets with fasteningscrews (pre-assembled), housing feet - stick-on, non-heating appliance cable - Euro model, CD-ROM with user manual, installation user manual

Accessories to order separately Fast Ethernet SFP modules, Gigabit Ethernet SFP modules, autoConfiguration Adapter ACA21-USB, terminal cable, Industrial HiVision Network Management software