




Data sheet MACH102-24TP-F - MACH102-24TP-F

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

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| Name | MACH102-24TP-F |
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| Delivery informations | |
| Document created at | 09-08-2010 |
| Availability | available |
| Product description | |
| Description | 26 port Fast Ethernet/Gigabit Ethernet Industrial Workgroup Switch (2 x GE, 24 x FE), managed, Software Layer 2 Professional, Store-and-Forward-Switching, fanless Design |
| Port type and quantity | 26 ports in total; 24x (10/100 BASE-TX, RJ45) and 2 Gigabit Combo ports |
| Type | MACH102-24TP-F |
| Order No. | 943 969-401 |
| 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 | Command 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 | 13.26 years (MIL-HDBK-217F Gb 25°C) |
| 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 |