




Product information MACH1000, 2-28 ports Gigabit Ethernet PoE switch - MAR1032- CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0.

Industrial Ethernet:Ruggedized Switches:Fast/Gigabit Ethernet Control Cabinet Switches:PoE Control Cabinet Switches:MACH1000, 2-28 ports Gigabit Ethernet PoE switch	
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Name	MACH1000, 2-28 ports Gigabit Ethernet PoE switch
	
	Industrial managed Fast/Gigabit Ethernet Switch, 19" rack mount, fanless Design, Power over Ethernet, 4 Ports, according to IEEE 802.3, Store-and-Forward-Switching
Delivery informations	
Availability	available
Product description	
Description	Industrial managed Fast/Gigabit Ethernet Switch, 19" rack mount, fanless Design, Power over Ethernet, 4 Ports, according to IEEE 802.3, Store-and-Forward-Switching
Port type and quantity	Gigabit-Ethernet ports in total: 2; 2 x Combo ports (10/100/1000BASE-TX RJ 45 plus FE/GE-SFP-slot); Fast-Ethernet ports in total: 16 x ports in total; 6 x Twisted Pair; 10 x Multimode SC;
Type	MAR1032-CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0.
Order No.	MAR1032-CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0.
More Interfaces	
Power supply/signaling contact	Power supply 1: power supply 3-pin spring clip, signal contact 2-pin spring clip; Power supply 2: power supply 3-pin spring clip, signal contact 2-pin spring clip, supports only PoE
V.24 interface	1 x RJ11 socket
USB interface	1 x to connect auto-configuration adapter ACA21-USB
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	0 - 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km and cf. SFP modules M-SFPxx
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km and cf. SFP modules M-SFPxx
Single mode fiber (SM) 9/125 µm	cf. SFP modules M-SFPxx
Single mode fiber (LH) 9/125 µm (long haul transceiver)	cf. SFP modules M-SFPxx
Network size - cascading	
Line - / star topology	Any
Ring structure (HIPER-Ring) quantity switches	100 switches
Power requirements	
Operating voltage	Power supply 1: 120/250 VDC, 110/230 VAC; Power supply 2: 120/250 VDC, 110/230 VAC
Current consumption at 230 V AC	Power supply 1 and 2: 150 mA (35W) max, if all ports are equipped with fiber
Software	
Switching	Disable Learning (hub functionality); Independent VLAN Learning; Fast Aging; Static Unicast/Multicast Address Entries; QoS / Port Prioritization (802.1D/p); TOS/DSCP Prioritization; Egress Broadcast Limiter per Port; Flow Control (802.3X); VLAN (802.1Q); GARP VLAN Registration Protocol (GVRP); Double VLAN Tagging (QinQ); Voice VLAN; GARP Multicast Registration Protocol (GMRP); IGMP Snooping/Querier (v1/v2/v3)
Management	Dual Software Image Support; TFTP; LLDP (802.1AB); LLDP-MED; SSHv1; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
Diagnostics	Management Address Conflict Detection; Address Relearn Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Port Monitoring with Auto-Disable; Link Flap Detection; Overload Detection; Duplex Mismatch Detection; Link Speed and Duplex Monitoring; RMON (1,2,3,9); Port Mirroring 1:1; Port Mirroring 8:1; Port Mirroring N:1; System Information; Self-Tests on Cold Start; Copper Cable Test; SFP Management; Configuration Check Dialog; Switch Dump
Configuration	AutoConfiguration Adapter ACA11; Automatic Configuration Undo (roll-back); Configuration Fingerprint; BOOTP/DHCP Client with Auto-Configuration; DHCP Server: per Port; DHCP Server: Pools per VLAN; DHCP Server: Option 43; AutoConfiguration Adapter ACA21/22 (USB); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Web-based Management; Context-sensitive Help

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