




## 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:with Firmware Release 9:MACH1000, 2-28 ports Gigabit Ethernet PoE switch  
<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49846-49997-80037-438059-438064/en/MAR1032-CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0/uistate>

<b>Name</b>	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
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	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
<b>Port type and quantity</b>	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;
<b>Type</b>	MAR1032-CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0.
<b>Order No.</b>	MAR1032-CCTTTTTTMMMMMMMMMMMM99999999UGGHPHH09.0.
<b>More Interfaces</b>	
<b>Power supply/signaling contact</b>	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
<b>V.24 interface</b>	1 x RJ11 socket
<b>USB interface</b>	1 x to connect auto-configuration adapter ACA21-USB
<b>Network size - length of cable</b>	
<b>Twisted pair (TP)</b>	0 m ... 100 m
<b>Multimode fiber (MM) 50/125 µm</b>	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
<b>Multimode fiber (MM) 62.5/125 µm</b>	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
<b>Single mode fiber (SM) 9/125 µm</b>	cf. SFP modules M-SFPxx
<b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b>	cf. SFP modules M-SFPxx
<b>Network size - cascading</b>	
<b>Line - / star topology</b>	Any
<b>Ring structure (HIPER-Ring) quantity switches</b>	100 switches
<b>Power requirements</b>	
<b>Operating voltage</b>	Power supply 1: 120/250 VDC, 110/230 VAC; Power supply 2: 120/250 VDC, 110/230 VAC
<b>Current consumption at 230 V AC</b>	Power supply 1 and 2: 150 mA (35W) max, if all ports are equipped with fiber
<b>Software</b>	
<b>Management</b>	Dual Software Image Support; TFTP; LLDP (802.1AB); LLDP-MED; SSHv1; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
<b>Diagnostics</b>	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
<b>Configuration</b>	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30); 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
<b>Security</b>	IP-based Port Security; MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; RADIUS VLAN Assignment; Multi-Client Authentication per Port; MAC Authentication Bypass; Access to Management restricted by VLAN; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; SNMP Logging; Local User Management; Remote Authentication via RADIUS



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