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A BELDEN BRAND

Product information MACH104-20TX-F-4PoE-L3P

Industrial Ethernet: Workgroup Switches: Gigabit/10 Gigabit Ethernet PoE Workgroup Switches, 22-24 Ports: MACH104-20TX-F-4PoE-L3P

<http://e-catalog.hirschmann.com/link/57078-24455-49848-85613-353006/en/conf/uistate>

Name	MACH104-20TX-F-4PoE-L3P
	
	24 port Gigabit Ethernet Industrial Workgroup Switch (20 x GE TX ports, there from 4 x PoE ports, 4 x GE SFP combo ports), managed, Software Layer 3 Professional, Store-and-Forward-Switching, IPv6 Ready, fanless design
Delivery informations	
Availability	available
Product description	
Description	24 port Gigabit Ethernet Industrial Workgroup Switch (20 x GE TX ports, there from 4 x PoE ports, 4 x GE SFP combo ports), managed, Software Layer 3 Professional, Store-and-Forward-Switching, IPv6 Ready, fanless design
Port type and quantity	24 Ports in total; 20x (10/100/1000 BASE-TX, RJ45) therefrom 4 x PoE and 4 Gigabit Combo Ports (10/100/1000 BASE-FX, SFP)
Type	MACH104-20TX-F-4PoE-L3P
Order No.	942 003-202
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)
V.24 interface	1 x RJ11 socket, serial interface for device configuration
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	see SFP LWL-Module M-FAST SFP-MM/LC and SFP LWL-Module M-SFP-SX/LC
Multimode fiber (MM) 62.5/125 µm	see SFP LWL-Module M-FAST SFP-MM/LC and SFP LWL-Module M-SFP-SX/LC
Single mode fiber (SM) 9/125 µm	see SFP LWL-Module M-FAST SFP-SM/LC and SFP LWL-Module M-SFP-LX/LC
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP LWL-Module M-FAST SFP-SM+/LC
Network size - cascading	
Line - / star topology	any
Power requirements	
Operating voltage	100-240 V AC, 50-60 Hz
Software	
Management	serial Interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP, LLDP-MED
Diagnostics	LEDs, log-file, syslog, signal contact, RMON (statistic, history, alarms, events), port mirroring, topology discovery 802.1AB, cable tester
Configuration	Command Line Interface (CLI), TELNET, BootP, DHCP, DHCP Option 82, HiDiscovery, auto-configuration adapter (ACA11, ACA21-USB), watchdog Configuration, integrated DHCP server
Security	Port security (IP and MAC), SNMP V3, SSH, authentication (802.1x)
Redundancy functions	HIPER-ring, MRP, RSTP - IEEE802.1D-2004, MRP and RSTP in parallel, redundant network/ring coupling
Filter	n/a
Industrial Profiles	n/a
Time synchronisation	PTP IEEE 1588 v1/v2 Boundary and Transparent Clock hardware time stamping with accuracies of 30ns, SNTP server, realtime clock with energy buffer
Flow Control	n/a
Ambient conditions	
Operating temperature	0 °C ... 50 °C
Storage/transport temperature	-20 °C ... 85 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	n/a
Mechanical construction	
Mounting	19" control cabinet
Weight	4600 g
Protection class	IP20



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Mechanical stability

IEC 60068-2-27 shock 15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD) 4 kV contact discharge, 8 kV air discharge

EN 61000-4-3 electromagnetic field 10 V/m (80-3000 MHz)

EN 61000-4-4 fast transients (burst) 2 kV power line, 4 kV data line

EN 61000-4-5 surge voltage power line: 2 kV (line/earth), 1 kV (line/line), 4 kV data line

EN 61000-4-6 conducted immunity 10 V (150 kHz-80 MHz)

EMC emitted immunity

FCC CFR47 Part 15 FCC 47 CFR Part 15 Class A

EN 55022 EN 55022 Class A

Approvals

Safety of industrial control equipment cUL 508

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

For more information please contact:

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