



Product information

OpenOCTOPUS Fast Ethernet PoE - OCTOPUS 16M-8PoE

Industrial Ethernet:Waterproof IP67/IP54 Switches:OpenOCTOPUS:OpenOCTOPUS Fast Ethernet PoE
<https://e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400868/en/OS22-081600T5T5TPPH08.0/uistate>

Name	OpenOCTOPUS Fast Ethernet PoE
	
	Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports
Delivery informations	
Availability	available
Product description	
Description	Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports
Port type and quantity	16 ports in total; uplink ports: 10/100 BASE-TX, M12 "D"-coding, 4-pole; 16 x 10/100 BASE-TX, thereof 8 x 10/100 BASE-TX PoE (phantom power); TP-cable, auto-crossing, auto-negotiation, auto-polarity.
Type	OCTOPUS 16M-8PoE
Order No.	943 960-001
More interfaces	
Power supply/signaling contact	1 x M12 5-pin connector, A coding, 1 x M12 5-pin connector, A coding
V.24 interface	1 x M12 4-pin connector, A coding
USB interface	1 x M12 5-pin socket, A coding
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Network size - cascading	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
Power requirements	
Operating voltage DC	48 VDC (46 .. 57 VDC)
Software	
Management	Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SFTP, SNMP v1/v2/v3, Traps
Diagnostics	LEDs (power 1, power 2, link status, data, redundancy manager, error) cable tester, signalling contact, RMON (statistics, history, alarms, events), SysLog support, port mirroring
Configuration	Command Line Interface (CLI), auto-configuration adapter, TELNET, BootP, DHCP Option 82, HiDiscovery
Security	Port Security (IP and MAC), SNMPv3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication
Redundancy functions	redundant power supply
Other services	4 QoS queues, user priority (IEEE 802.1D/p), VLAN (IEEE 802.1Q), unknown multicast filtering, multicast support (IGMP Snooping/Querier, GMRP), broadcast limiter per port, ingress and egress packet limiter, Flow Control IEEE 802.3x, LLDP (topology discovery IEEE 802.1AB), Link Aggregation (IEEE 802.3ad), buffered real-time clock, PTP support (Precision Time Protocol) (IEEE 1588 client for system clock only), SNTP support (Simple Network Time Protocol, client/server)
Ambient conditions	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (also condensing)	10 % ... 100 %
MTBF	22.2 years; Telecordia SR-332: Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	261 mm x 189 mm x 70 mm
Mounting	Wall mounting
Weight	1900 g
Protection class	IP65, IP67
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks



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IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	20 V/m (80-3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 2 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz-150 kHz), 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	
Basis Standard	CE
Safety of industrial control equipment	GOST-R
Employment in vehicles	E1
Electronic mechanisms on rail-mounted vehicles	EN 50155, DIN 5510-2, NF F16 101, NF F16 102
Scope of delivery and accessories	
Scope of delivery	M12-connector (ELWIKA 5012 PG7) for power connection, description and operating instructions
Accessories to order separately	M12 connector, "D"-coded (934 445-001); 2 m cordset with M12-connector, "D"-coded (934 578-001); 5 m cordset with M12-connectors, "D"-coded (934 578-002); 10 m cordset with M12-connectors, "D"-coded (934 578-003); Bulkhead M12 "D"-coded to RJ45 (934 498-001); OCTOPUS dust cover set (25 pieces) (942 057-001).OCTOPUS terminalcable (943 902-001), Autokonfigurationsadapter ACA21-M12 EEC (943 913-002)

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