



Product information OCTOPUS 16M (GM) 943 912-011

Name	OCTOPUS 16M (GM)
vallie	UCTOPUS TOM (GW)
	Managed IP67 switch in accordance with IEEE 802.3, store and forward switching mode, Layer 2 Software Professional,ETHERNET (10 Mbit/s) and Fast-ETHERNET (100 Mbit/s)
Delivery informations	
Availability	available
Product description	'
Description	Managed IP67 switch in accordance with IEEE 802.3,
·	store and forward switching mode, Layer 2 Software Professional,
	ETHERNET (10 Mbit/s) and Fast-ETHERNET (100 Mbit/s)
Port type and quantity	16 x 10/100 BASE-TX, M12 D coding, 4-pole, 2-pair TP cable
	auto-crossing, auto-negotiation, auto-polarity
Туре	OCTOPUS 16M (GM)
Order No.	943 912-011
More Interfaces	'
Power supply/signaling contact	1 M12 A coding 5-pin connector
V.24 interface	1 M12 A coding 4-pin socket
USB interface	1 M12 A coding 5-pin socket
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Network size - cascadibility	To all
Line - / star topology	Any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time <0,3 sec.)
Power requirements	
Operating voltage	9.6 to 60 V DC
Power consumption	max. 9.5 W
Current consumption at 24 V DC	380 mA
Service	000 / 111
Management	Serial interface, Web interface, SNMP V1/V2/V3
	(HiVision/Industrial HiVision)
Diagnostics	LEDs (power 1, power 2, link status, data, redundancy manager, error) cable tester, signalling contact (24 V DC/ A), RMON (statistics, history, alarms, event
	SysLog support, port mirroring
Configuration	Command Line Interface (CLI scripting), auto-configuration adapter (ACA21-M12), TELNET, BootP, DHCP Option 82, HiDiscovery
Security	Port security (MAC and IP address), SNMPv3, SSHv3
	SNMP access settings (VLAN/IP), IEEE 802.1X authentication
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), SNTP support (Simple Network Time Protocol, client/server)
Redundancy	,, ,, ,, ,,, ,
Redundancy functions	HIPER-Ring (ring topology), RSTP (Rapid Spanning Tree Protocol, IEEE 802.1w), redundant network/ring coupling, redundant 24 V power supply
Ambient conditions	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
MTBF	17.8 years; MIL-HDBK 217F: Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	261 mm x 189 mm x 70 mm



1900 g
IP 67
15 g, 11 ms duration, 18 shocks
1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7g, 13,2 Hz - 100 Hz, 90 min.;
3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.;
1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
4 kV contact discharge, 8 kV air discharge
10 V/m (80 - 1000 MHz)
2 kV power line, 1 kV data line
power line: 2kV (linie/earth), 1 kV (linie/line), 1 kV data line
3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
FCC CFR47 Part 15 Class A
EN 55022 Class A
CUL 508
GL
E1
-
description and operating instructions, OCTOPUS M12-MiniPower adapter 943 944-001
auto configuration adapter (ACA21-M12) order no. 943 931-001; modem cable, shielded M12 4-pins on Sub-D 9-pins order no. 943 902-001; field
assembleable M12-connector EM12S OCTOPUS order no. 934 445-001; patchcords EM12S 001Lxxxxx OCTOPUS order no. 934 578-xxx; crossing M12 to RJ45
EF12RJ45 OCTOPUS order no. 934 498-001; OCTOPUS dust cover set (25 pieces) order no. 942 057-001
Please note that some recommended accessory parts only support a temperature range from -25°C to +70°C and might limit the possible operating conditions
for the entire system. Specially designed connector types with protection class IP67 and extended temperature range are available on request. Furthermore
unsealed accessories like RJ45 adapters or terminal access cables are certainly not suitable inside IP67 areas.

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.