

## Product information

### Hi-SCOM Industrial Ethernet Switch

#### BN49-00160000TCMS



<b>Name</b>	
	16-port Gigabit Ethernet switch (12 x GE TX PoE+ ports, 4 x GE SFP slots), managed, IPv6, fanless design
<b>Product Description</b>	
<b>Port Type and Quantity</b>	16 Ports in total; 12 x 10/100/1000BASE-TX, RJ45 PoE+ ports; 4 x Gigabit SFP slots
<b>Type</b>	BN49-00160000TCMS
<b>Order No.</b>	942 999 912
<b>More Interfaces</b>	
<b>Power Supply</b>	1 x 4-pin
<b>Signaling contact</b>	1 x 3-pin
<b>Console Interface</b>	1 x RJ45 socket, serial interface for device configuration (RS-232, 115200bps-8-N-1)
<b>Network size - cascading</b>	
<b>Line / Star / Ring Topology</b>	Any
<b>Power Requirements</b>	
<b>Operating Voltage</b>	48 V DC (redundant)
<b>Power Budget (for PDs)</b>	Output: 240 W (Max); Max. 15W full loading without PDs' consumption
<b>Software</b>	
<b>Management</b>	Serial interface, Web-interface, HTTP/HTTPS, Telnet, SSH, SNMPv1/v2/v3, Traps, LLDP, LLDP-MED
<b>Diagnostics</b>	LED, Syslog, Port mirroring (1:1, N:1), RMON (1, 2, 3, 9), Loop protection, sFlow
<b>Configuration</b>	CLI - Console port/Telnet, Web based management, Full featured MIB support, DHCPv4 Client/Server/Snooping/Relay, DHCPv6 Client
<b>Security</b>	User password protection, Privilege levels, NAS (IEEE802.1x), ACL, IP Source Guard, ARP Inspection, RADIUS, TACACS+
<b>Redundancy Functions</b>	STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s), ERPS (G.8032), Link Aggregation Static, LACP
<b>Filter</b>	QoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.1Q), IGMP snooping, MLD Snooping, Storm Control
<b>Time Synchronization</b>	SNTP Client
<b>PoE Management</b>	IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic
<b>Ambient Conditions</b>	
<b>Operating Temperature</b>	-40 ~ +70 °C
<b>Storage/Transport Temperature</b>	-40 ~ +85 °C
<b>Relative Humidity (non-condensing)</b>	5% ~ 95%
<b>Mechanical Construction</b>	
<b>Dimensions (W×H×D)</b>	60 x 161 x 131mm
<b>Mounting</b>	DIN Rail
<b>Protection Class</b>	IP30
<b>EMC Interference Immunity</b>	
<b>EN 61000-4-2 electrostatic discharge</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80 - 1000 MHz)
<b>EN 61000-4-4 fast transients</b>	2 kV power line, 1 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	10 V (150 kHz - 80 MHz)
<b>EMC Emitted Immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55032	EN 55032 Class A
<b>Packing List</b>	
Scope of Delivery	Device, terminal blocks, operating manual

\* Specifications may change without notice