# Hi-Scom Managed Full GIGA POE/POE+ Switch

Compatible with Hirschmann Industrial Hivision Management Platform



#### Strong data transmission and POE performance

Full GIGA and POE/POE+ interface and ports, Max. Power Consumption 30W per port



#### Ensure reliability and stability of data transmission

-40-75°C extend operating temperature, Redundancy power supply unit



#### Easily configure and manage complex networks

With intuitive provisioning software

### **Key Features:**

- Ring technology delivers redundancy bandwidth for critical services and 50ms protection switching
- Hirschmann Industrial Hivision software for easy configuration and management of large networks
- Full GIGA design for high bandwidth application
- Full POE/POE+ design for power up application
- Variety of interface and port types to ensure flexibility and seamless integration of CCTV application







## BN44/BN48 Series Industrial full Gigabit Managed 6/10 Ports Ethernet Switch

The BN44/BN48 Series industrial full Gigabit managed 6/10 ports Ethernet switch with up to 4/8 10/100/1000Mbps PoE (IEEE 802.3af/at) ports, and 2 1000Mbps SFP ports, 4Mbits memory, and supports static Layer 3 routing, a full Gigabit network provides higher throughput than legacy Fast Ethernet networks (10/100Mbps). The BN44/BN48 Series switches can provide power and data directly through Ethernet cable, ideal for CCTV, ITS and building automation related applications.



# **Bn3049 Series Industrial full Gigabit Managed 26-port Ethernet Switch**

The BN3049 Series industrial full Gigabit managed 26-port Ethernet switch with up to 24 10/100/1000Mbps PoE (IEEE 802.3af/at) ports (including 4 shared SFP ports), and 2 1000Mbps SFP ports, 4Mbits memory, and supports static Layer 3 routing. With a total switch fabric of 58Gbps, the BN3049 can handle large amounts of data linking to an industrial backbone or high-capacity servers, and has capability of providing wire-speed throughput in the temperature range from -25 to 65 degree Celsius without any packet loss and CRC error. It greatly simplifies the tasks of upgrading the industrial network for catering to increasing bandwidth demands.



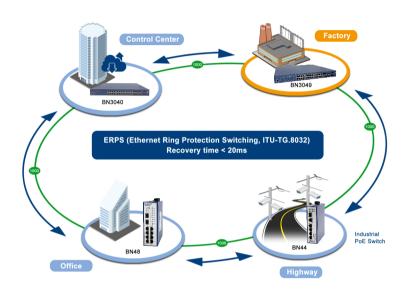




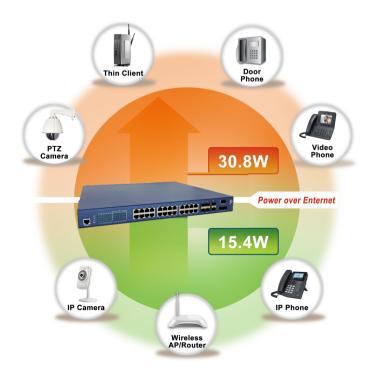
#### **Major Markets for CCTV Surveillance**

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Commercial Buildings	City Surveillance	Energy Utilities	Discrete Manufacturing	
_	Railways	<b>Process Facilities</b>		
<ul><li>Bank and Finance</li><li>Offices</li><li>Government</li></ul>	<ul> <li>Indoor surveillance in railway stations and trains</li> <li>Outdoor surveillance</li> </ul>	<ul><li>Mining</li><li>Utility Tunnel</li><li>O&amp;G</li><li>Metals &amp; Minerals</li></ul>	<ul><li>Machine Building</li><li>Automotive</li><li>F&amp;B</li><li>General Mfg</li></ul>	
Education	on railway platforms	Chemicals	Seaports	
Healthcare	and railway tracks	• Paper & Pulp		
<b>Data Centers</b>	Traffic Monitoring			
Hotels & Casinos	<ul><li> Tunnels</li><li> Highways</li></ul>			
	Airports			
	• Indoor video surveillance in airport terminals			
	Outdoor perimeter protection			

The BN44/BN48 and BN3049 Series switches support multiple redundant ring technologies and features strong, rapid self-recovery capability to prevent interruptions. Both BN44/BN48 and BN3049 incorporate advanced ERPS (ITU-TG. 8032, Ethernet Ring Protection Switching) technology, Multiple Spanning Tree Protocol (802.1s MSTP), and redundant power input into industrial automation network to enhance system reliability in harsh factory environments. In a simple ring network, the recovery time of data link can be as fast as 20ms.



To fulfill the demand of High Power PoE for network applications with Gigabit speed transmission under wide temperature, BN44/BN48 and BN3049 provide 4/8/24 10/100/1000Mbps ports featuring IEEE 802.3at (PoE+), that combines up to 120/370-watt power output, fully meet the growing demand of higher power consuming network PDs (powered devices) such as PTZ network cameras, multi-channel (802.11a/b/g/n/ac) wireless LAN access points, etc.



## Hi-SCOM

The BN44/BN48 and BN3049 Series switches support advanced switch management functions, such as link aggregation, VLAN, Rapid Spanning Tree Protocol, Layer 2 to Layer 3 QoS, bandwidth control and IGMP snooping.

The BN44/BN48 and BN3049 Series switches not only provide excellent Layer 2 switching features, but also IPv4 /v6 software VLAN routing feature which allows to crossover different VLANs and different IP network for the purpose of having a highly-secured, flexible management.

The BN44/BN48 and BN3049 Series switches equipped with console, Web and SNMP management interfaces. For command line management, it can be accessed via Telnet, SSH, and the console port. Moreover, it also offers secure remote management via any standard-based management software by supporting SNMP v3 connection which encrypts the packet content at each session.

The BN44/BN48 and BN3049 Series switches offer comprehensive Layer 2 to Layer 4 Access Control List (ACL) for enforcing security to the edge. It can be used to restrict network access by denying packets based on source and destination IP address, TCP/UDP ports. Its protection mechanism also comprises 802.1x port-based and MAC-based user and device authentication. With the private VLAN function, communication between edge ports can be prevented to ensure user privacy.



## **Technical Parameters**

Fort Type and Quantity	Product description					
BASE-TX, Ruls PoE+ ports: 2 x Gigabit SPP slots	Product description	6 Porte in total: 4 v 10/100/1000	10 Ports in total: 9 v 10/100/1000	26 Ports in total: 20 v 10/100/1000		
2 x Gigabit SFP slots		,	· ·	· · · · · · · · · · · · · · · · · · ·		
BASE-TR, RIASP Pete or 1000 BAS 2 x Gigable SPP alots	Port Type and Quantity					
Type         BN44-00000606TCMS         BN48-00100006TCMS         BN3048-204/20TITMSMIS           Order No.         9942999910         942999911         942999910           Number of Interface         1 x 4-pin         1 x 3-pin           Console Interface         1 x 1x 4-pin         1 x 3-pin           Network Size - cascadibility         Interface for device configuration (RS-232, 115200tps-8-N-1)           Line / Star / Ring Topology         Any           Power Budget (for Pds)         0 Unput: 120 W (Max)         0 Unput: 150 W (Max)         0 Unput: 150 W (Max)           Operating Voltage         48 V DC         110/220 V AC (90 - 284 V)           Power Budget (for Pds)         0 Unput: 120 W (Max)         0 Unput: 150 W (Max)         0 Unput: 150 W (Max)         0 Unput: 370 W (Max) 98 NOC           Software           Management         Serial Interface, Web-Interface, HTIPAHTIPS, Iselet, SSH, SWAPY //2/Y, Traps, LLDP, LLDP-MED           Diagnostics         LED, Syslox, Port Interioring 1:11, N.1), RMON 11, 2, 3, 91, Loop protection, show           Configuration         CL1 - Console port/Filent, Web based management, Full featured MIB support. DRCP4 Client/Server/Snopplays DHCP46 Client           Security         User password protection, Privilege levels, NVE [EEE802, 10, ISPPS (8, B032), Link Agyregation Static, LACC start Interface, Privilent Agyregation Static, LACC start Interface, Privilent Agyregation Static,		2 X digabit off slots	2 x digabit SFF slots			
Type         BM4-00060606TCMS         BM3-00100806TCMS         BM3049-204C20TTM9MS           Order No.         942999910         942999911         942999930           Number of Interface         942999910         1 x 3-pin           Power Supply         1 x 4-pin         1 x BJ45 socket, serial interface for device configuration (RS-232, 115200bps-8-N-1)           Network Size - cascadibility         1 x BJ45 socket, serial interface for device configuration (RS-232, 115200bps-8-N-1)           Power Paul General Properties         48 V DC           Operating Voltage         48 V DC         1 10/220 V AC (90 - 264 V)           Power Budget for Pds)         Output: 120 W (Max)         Output: 150 W (Max)         Output: 370 W (Max) (20 48 VDC Software           Software         Management         Serial interface, Web-interface, HTTP/HTTPS, Tohet, SSH, SMMP-1/v2/v3, Vraps, LLDP, LLDP-MED         Diagnostics           LED, Sysba, Port intering (1:1, N1), RMON (1, 2, 3, 9), Loop protection, Provided (MS support, DHCP+4 Client/Server/Snooping/Reby, DHCP+6 Client           Security         User password protection, Provideg levels, NAS (EEE802.1), ACL, P. Source Guard, APP Inspection, RADUS, TACACS+           Filter         OoS (4 dassas), Cos, ToSOSOP, port priority (EEE 802.1 th), RINS (EEE802.1 th), RINS (EEE802.1 th), RINK (EEE802.1 th),						
Order No.         942999910         942999911         942999930           Number of Interface Power Supply         1 x 4-pin         1 x 3-pin           Console Interface         1 x RJ45 socket, serial interface for device configuration (RS-232, 115200bps-8-N-1)           Network Size - cascadibility         1 x RJ45 socket, serial interface for device configuration (RS-232, 115200bps-8-N-1)           Network Size - Cascadibility         Interface (RS-232, 115200bps-8-N-1)           Network Size - Cascadibility         Any           Power Budget (for Pds)         Output 320 W (Max)         Output 370 W (Max)           Operating Voltage         48 V DC         1 10/220 VAC (90 - 264 V)           Power Budget (for Pds)         Output 370 W (Max) © 48 VDC           Software         Management         Lept (Max) © 44 VDC           Management         Lept (Max) © 44 VDC         0 Upput 370 W (Max) © 48 VDC           Software         Management         Lept (Max) © 44 VDC         0 Upput 370 W (Max) © 48 VDC           Software         Management         Lept (Max) © 44 VDC         0 Upput 150 W (Max)         0 Upput 1570 W (Max) © 48 VDC           Software         Management         Lept (Max) © 44 VDC         1 (Max) PM (Max) © 44 VDC         1 (Max) PM (Max) © 44 VDC           Security         Use (Max) © 44 Cascase) (Max) English (Max) © 44 Cascase) (Max) English (Ma	Tune	PN44 00060606TCMS	PNAS 00100606TCMS			
Number of Interface						
Name		942999910	942999911	94299990		
Network Size - cascadibility						
Network Size - cascadibility   Line / Star / Ring Topology						
Line / Star / Ring Topology		1 X NJ45 SOCKET, SENIA INTERPACE FOR DEVICE	configuration (no-252, 1152000ps-6-N-1)			
Power Requirements		<b>*</b>				
Operating Voltage         48 V DC         110/220 V AC (90 - 264 V)           Power Budget (for Pds)         Output: 120 W (Max)         Output: 150 W (Max)         Output: 370 W (Max) @ 48 VDC           Software         Serial Interface, Web-Interface, HTTP/HTTPS, Tehet, SSH, SNMPV1/v2/v3, Traps, LLDP, LLDP-MED           Diagnostics         LED, Syslog, Port mirroring (1:1, N:1), RMON (1, 2, 3, 9), Loop protection, FsHow           Configuration         CL1 - Console port/Tehet. Web based management, Full featured MIB support, DHCPv4 Client/Server/Snooping/Relay, DHCPv6 Client           Security         User password protection, Privilege levels, NAS IEEEB02.11, ACI, P. Source Guard, APP Inspection, RADIUS, TACAGS+           Redundancy functions         STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s), ERPS (G.8032), Link Aggregation Static, LACP           Filter         QoS (4 classes), CoS, TOS/DSCP, port priority, IEEE 802.1D/p), VLAN (IEEE 802.10), IGMP snooping, MLD Snooping, Storm Control           Time Synchronization         SNTP Client           PoE Management         IEEE 802.34/4, POE power management, PoE device auto-checking, POE diagnostic           Ambient Conditions         Operating Temperature         -40°C ~ +70°C         -45°C ~ +65°C           Storage/Transport Temperature         -40°C ~ +85°C         Storage/Transport Temperature         -40°C ~ +85°C           Relative Humidity (non-condensing)         64×144×130mm         64×144×130mm         440×44.5	J . J.	Any				
Power Budget (for Pds)	<u> </u>	10.1120				
Software   Management   Serial interface, Web-interface, HTTP/HTTPS, Telnet, SSH, SNMPv1/v2/v3, Traps, LLDP, LLDP-MED			0.1.1450111/44	· · ·		
Management         Serial interface, Web-interface, HTTP/HTTPS, Telnet, SSH, SNMPv1/v2/v3, Traps, LLDP, LLDP-MED           Diagnostics         LED, Syslog, Port mirroring (1:1, N·1), RMON (1, 2, 3, 9), Loop protection, SHow           Configuration         CLI - Console port/Telnet, Web based management, Full featured Mils support, DHCPv4 Client/Server/Snooping/Relay, DHCPv6 Client           Security         User password protection, Privilege levels, NAS (IEEE802.1s), LRD, BPS (G.8032), Link Aggregation Static, LACP           Redundancy functions         STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s), ERPS (G.8032), Link Aggregation Static, LACP           Filter         QoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.10), IGMP snooping, MLD Snooping, Storm Control           Time Synchronization         SNTP Client           PoE Management         IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic           Ambient Conditions         Operating Temperature         -40°C ~ +70°C         -25°C ~ +65°C           Storage/Transport Temperature         -40°C ~ +85°C         -85°C           Relative Humidity (non-condensing)         5% ~ 95%         Mechanical Construction           Dimensions (W±H×D)         64×144×130mm         64×144×130mm         440×44,5×350mm           Mounting         DIN Rail         19° control cabinet           Protection Class         Ip30           EMC I	ů ,	Output: 120 W (Max)	Output: 150 W (Max)	Output: 370 W (Max) @ 48 VDC		
Diagnostics  LED. Syslog, Port mirroring (1:1. N:1), RMON (1, 2, 3, 9), Loop protection, SFlow  Configuration  CLI - Console port/Teinet, Web based management, Full featured Mils support, DHCPv4 Client/Server/Snooping/Relay, DHCPv6 Client  Security  User password protection, Privilege levels, NAS (EEE802.1x), ACL, P Source Guard, ARP Inspection, RADIUS, TACACS+  Redundancy functions  STP (EEE 802.14), RSTP (EEE 802.1v), and MSTP (EEE 802.1x), Link Aggregation Static, LACP  Filter  QoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.10), IGMP snooping, MLD Snooping, Storm Control  Time Synchronization  SNTP Client  PoE Management  EEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic  Ambient Conditions  Operating Temperature  -40°C ~ +70°C  -25°C ~ +65°C  Storage/Transport Temperature  -40°C ~ +85°C  Relative Humidity (non-condensing)  Mechanical Construction  Dimensions (WxHxD)  Mail  DIN Rail  DIN Rail  19° control cabinet  Protection Class  EMC Interference Immunity  EN 61000-4-2 electrostatic discharge  6 kV contact discharge, 8 kV air discharge  EN 61000-4-3 electromagnetic field  10 V/m (80 - 1000 MHz)  EN 61000-4-5 surge voltage  EN 61000-4-5 surge voltage  EN 61000-4-5 conducted immunity  ENC Emitted Immunity  ENC S5022  Packing List						
Configuration CLI - Console port/Telnet, Web based management, Full featured MIB support, DHCPv4 Client/Server/Snooping/Relay, DHCPv6 Client  Security User password protection, Privilege levels, NAS (IEEE802.1x), ACL, IP Source Guard, APP Inspection, RADIUS, TACACS+  Redundancy functions STP (IEEE 802.1x), and MSTP (IEEE 802.1x), and MSTP (IEEE 802.1x), IEEE 802.1x), IEEE 802.1x, IEEE 802.1x, IRPS (6.8032), Link Aggregation Static, LACP  Filter QoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1x), IEEE 802.1x), IGMP snooping, MILD Snooping, Storm Control  Time Synchronization SNTP Client  PoE Management IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic  Ambient Conditions  Operating Temperature -40°C ~ +70°C  Storage/Transport Temperature -40°C ~ +85°C  Relative Humidity (non-condensing) 5% ~ 95%  Mechanical Construction  Dimensions (WxHxD) 64×144×130mm 64×144×130mm 440×44.5×350mm  Mounting DIN Rail 19³0  EMC Interference Immunity  EN 61000-4-2 electrostatic discharge 6 kV contact discharge, 8 kV air discharge  EN 61000-4-2 electrostatic discharge power line; 2 kV (Ine/earth), 1 kV (Ine/line); 1 kV data line  EN 61000-4-5 surge voltage power line; 2 kV (Ine/earth), 1 kV (Ine/line); 1 kV data line  EN 61000-4-6 conducted immunity  ENC CFR47 Part 15 FCC CFR47 Part 15 Class A  EN 55022 EN 55022 Class A  Packing List						
Security User password protection, Privilege levels, NAS (IEEE802.1x), ACL, IP Source Guard, ARP Inspection, RADIUS, TACACS+ Redundancy functions STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s), ERPS (G.8032), Link Aggregation Static, LACP Filter Oos (4 classes), Cos, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.1c), IGMP snooping, MLD Snooping, Storm Control Time Synchronization SNTP Client PoE Management IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic  Ambient Conditions Operating Temperature -40°C ~ +70°C -25°C ~ +65°C Storage/Transport Temperature Relative Humidity (non-condensing)  Mechanical Construction Dimensions (WxHxD) 64×144×130mm 64×144×130mm 440×44.5×350mm Mounting DIN Rail 19" control cabinet Protection Class Ip30  EMC Interference Immunity EN 61000-4-2 electrostatic discharge 6 kW contact discharge, 8 kV air discharge EN 61000-4-2 electromagnetic field 10 V/m (80 - 1000 MHz) EN 61000-4-4 fast transients 2 kW power line; 2 kV (line/earth), 1 kV (line/line); 1 kV data line EN 61000-4-5 surge voltage EN 61000-4-6 conducted immunity EN 61000-4-6 conducted immunity EN 61000-4-7 surge voltage EN 61000-4-8 conducted immunity EN 61000-4-9 conducted immunity EN 61000-4-9 conducted immunity EN 61000-4-9 conducted immunity EN 61000-4-1 for the formunity EN 61000-4-1 for the formunity EN 61000-4-2 class A EN 55022						
Redundancy functions         STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s), ERPS (G.8032), Link Aggregation Static, LACP           Filter         QoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.10), IGMP snooping, MLD Snooping, Storm Control           Time Synchronization         SNTP Client           PoE Management         IEEE 802.3a/v1, PoE power management, PoE device auto-checking, PoE diagnostic           Ambient Conditions         Operating Temperature         -40°C ~ +70°C         -25°C ~ +65°C           Storage/Transport Temperature         -40°C ~ +95°C         -25°C ~ +65°C           Relative Humidity (non-condensing)         Mechanical Construction         Mechanical Construction           Dimensions (W-HxD)         64×144×130mm         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19" control cabinet           Protection Class         Ip30         Ip30           EMC Interference Immunity         6 kV contact discharge, 8 kV air discharge         EN 61000-4-2 electrostatic discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)         EN 61000-4-5 surge voltage         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         10 V (150 kHz - 80 MHz)           EMC Emitted Immunity         FCC CFR47 Part 15 Class A						
Filter         OoS (4 classes), CoS, TOS/DSCP, port priority (IEEE 802.1D/p), VLAN (IEEE 802.1Q), IGMP snooping, MLD Snooping, Storm Control           Time Synchronization         SNTP Client           PoE Management         IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic           Ambient Conditions         Operating Temperature         -40°C - +70°C         -25°C ~ +65°C           Storage/Transport Temperature         -40°C - +85°C         -85°C           Relative Humidity (non-condensing)         5% ~ 95%           Mechanical Construction         Dimensions (WxHxD)         64×144×130mm         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19° control cabinet           Protection Class         Ip30         EMC Interference Immunity           EN 61000-4-2 electrostatic discharge         6 kV contact discharge, 8 kV air discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-5 surge voltage         power line; 1 kV data line           EN 61000-4-6 conducted immunity         FCC CFR47 Part 15 Class A           EMC Emitted Immunity         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A						
Time Synchronization SNTP Client  PoE Management IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic  Ambient Conditions  Operating Temperature -40°C ~ +70°C  Storage/Transport Temperature -40°C ~ +85°C  Relative Humidity (non-condensing) 5% ~ 95%  Mechanical Construction  Dimensions (W×HxD) 64×144×130mm 64×144×130mm 440×44.5×350mm  Mounting DIN Rail 19° control cabinet  Protection Class Ip30  EMC Interference Immunity  EN 61000-4-2 electrostatic discharge 6 kV contact discharge, 8 kV air discharge  EN 61000-4-3 electromagnetic field 10 V/m (80 - 1000 MHz)  EN 61000-4-4 fast transients 2 kV power line, 1 kV data line  EN 61000-4-6 conducted immunity  EN 61000-4-6 conducted immunity  FCC CFR47 Part 15 FCC CFR47 Part 15 Class A  EN 55022 EN 55022 Class A  Packing List	-					
PoE Management    IEEE 802.3at/af, PoE power management, PoE device auto-checking, PoE diagnostic   Ambient Conditions						
Ambient Conditions         -40 °C ~ +70 °C         -25 °C ~ +65 °C           Storage/Transport Temperature         -40 °C ~ +85 °C           Relative Humidity (non-condensing)         5% ~ 95%           Mechanical Construction         Dimensions (W×H×D)         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19" control cabinet           Protection Class         Ip30         19" control cabinet           EMC Interference Immunity         6 kV contact discharge, 8 kV air discharge         EN 61000-4-2 electrostatic discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)         EN 61000-4-4 fast transients         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           EMC Emitted Immunity         FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A						
Operating Temperature         -40°C ~ +70°C         -25°C ~ +65°C           Storage/Transport Temperature         -40°C ~ +85°C           Relative Humidity (non-condensing)         5% ~ 95%           Mechanical Construction         0           Dimensions (W×H×D)         64×144×130mm         64×144×130mm           Mounting         DIN Rail         19" control cabinet           Protection Class           EMC Interference Immunity           EN 61000-4-2 electrostatic discharge         6 kV contact discharge, 8 kV air discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-4 fast transients         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)           EMC Emitted Immunity           FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A		ELL 002.3avar, 1 of power management,	TOE device auto-checking, FOE diagnostic			
Storage/Transport Temperature		40°C +70°C		2E% '8E%		
Relative Humidity (non-condensing)         5% ~ 95%           Mechanical Construction         0           Dimensions (W×H×D)         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19" control cabinet           Protection Class         Ip30           EMC Interference Immunity         6 kV contact discharge, 8 kV air discharge           EN 61000-4-2 electrostatic discharge         6 kV contact discharge, 8 kV air discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-4 fast transients         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)           EMC Emitted Immunity         FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A           Packing List	· · · ·			-23 C ~ +03 C		
Mechanical Construction           Dimensions (W×H×D)         64×144×130mm         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19" control cabinet           Protection Class           EMC Interference Immunity           EN 61000-4-2 electrostatic discharge         6 kV contact discharge, 8 kV air discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-4 fast transients         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)           EMC Emitted Immunity         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A           Packing List						
Dimensions (W×H×D)         64×144×130mm         64×144×130mm         440×44.5×350mm           Mounting         DIN Rail         19" control cabinet           Protection Class         Ip30           EMC Interference Immunity           EN 61000-4-2 electrostatic discharge         6 kV contact discharge, 8 kV air discharge           EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-4 fast transients         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)           EMC Emitted Immunity         FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A           Packing List		070 0070				
Mounting DIN Rail 19" control cabinet  Protection Class Ip30  EMC Interference Immunity  EN 61000-4-2 electrostatic discharge 6 kV contact discharge, 8 kV air discharge  EN 61000-4-3 electromagnetic field 10 V/m (80 - 1000 MHz)  EN 61000-4-4 fast transients 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)  EMC Emitted Immunity  FCC CFR47 Part 15 FCC CFR47 Part 15 Class A  EN 55022 EN 55022 Class A  Packing List		64×144×130mm	64×144×130mm	440×44 5×350mm		
Protection Class Ip30  EMC Interference Immunity EN 61000-4-2 electrostatic discharge 6 kV contact discharge, 8 kV air discharge EN 61000-4-3 electromagnetic field 10 V/m (80 - 1000 MHz) EN 61000-4-4 fast transients 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)  EMC Emitted Immunity FCC CFR47 Part 15 FCC CFR47 Part 15 Class A EN 55022 EN 55022 Class A  Packing List	` '		O IXT TIXTOONIN			
EN 61000-4-2 electrostatic discharge 6 kV contact discharge, 8 kV air discharge  EN 61000-4-3 electromagnetic field 10 V/m (80 - 1000 MHz)  EN 61000-4-4 fast transients 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)  EMC Emitted Immunity  FCC CFR47 Part 15 FCC CFR47 Part 15 Class A  EN 55022 EN 55022 Class A  Packing List	Protection Class					
EN 61000-4-3 electromagnetic field         10 V/m (80 - 1000 MHz)           EN 61000-4-4 fast transients         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)           EMC Emitted Immunity         FCC CFR47 Part 15           FC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A	EMC Interference Immunity					
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EN 61000-4-6 conducted immunity	EN 61000-4-4 fast transients					
EMC Emitted Immunity           FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A           Packing List         EN 55022 Class A	EN 61000-4-5 surge voltage					
FCC CFR47 Part 15         FCC CFR47 Part 15 Class A           EN 55022         EN 55022 Class A           Packing List	EN 61000-4-6 conducted immunity					
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Packing List	FCC CFR47 Part 15	FCC CFR47 Part 15 Class A				
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Scope of Delivery Device terminal blocks operating manual	Packing List					
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Warranty	Warranty					
Warranty 5 Years		5 Years				









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