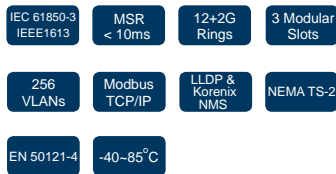


JetNet 5628G Series

IEC61850-3 substation-rated 24+4G Modular Managed Ethernet Switch



CE FC  RoHS



- 3 exchangeable modular slots for adding up to 24 10/100-TX or 18 100Base-FX
- 4 On-Board Gigabit RJ45/SFP combo ports
- Exceeds IEC 61850-3, IEEE1613 Power Substation Standard requirements
- NEMA TS-2 rated for traffic control systems
- EN 50121-4 EMC rated for railway installations
- Non-Blocking backplane, 16K MAC table for wire speed bidirectional switching
- Korenix MSR pattern aggregates up to 12 x 100M Rings plus 2 Gigabit Rings
- 802.1s Multiple Spanning Tree Protocol, RSTP for complex network redundancy
- 256 Tag based VLANs segregate IEC 61850 GOOSE message streams from each other
- Advanced Private VLAN and QinQ features
- 8 QoS priority for prioritizing the control and management packet from SCADA
- IGMP Snooping, GMRP, Rate Control for multicast message management
- Up to 9KB Jumbo Frame for large file transmission
- Industrial Modbus TCP protocol for device monitoring
- Advanced Network Management by SNMP, RMON, and event notifications
- Supports LLDP and Korenix NMS software for auto topology visualization and efficient group management
- Secure system by 802.1x, IP/MAC Access Control List
- DHCP Option 82, DHCP Server for IP address assignment
- Fan-Less design, -40~85°C operating temperature

Overview

JetNet 5628G is an IEC61850-3 substation-rated Modular Managed Ethernet Switch, equipped with 4 on-board Gigabit RJ45 / MINI GBIC combo ports and 3 modular slot design, for allowing adding up to 24 copper and 18 fiber ports. As a result, it delivers maximum flexibility and simple interface exchangeability for various network connection needs while reducing the device units and costs.

With the 4 gigabit combo ports users can trunk up to 8G uplink bandwidth and/or form two independent gigabit rings. These dual gigabit rings allow JetNet 5628G to perform as an access-level switch in the power substations ensuring the high bandwidth data transmission.

JetNet 5628G, a special design for substation automation and industrial control room, is verified to conform with the IEC61850-3, IEEE1613 high level environmental certifications. The JetNet 5628G has also passed all the test requirements of NEMA TS-2 certification for traffic control systems and EN50121-4 EMC certification for Railway installation. JetNet 5628G has the capability of forwarding Data, GOOSE, SCADA message without any loss or collision.

With the exclusive MultiRing technology, users can aggregate up to 12 fast Ethernet and 2 gigabit rings into a single switch and ensure network reliability in applications with increased bandwidth and expanded system.

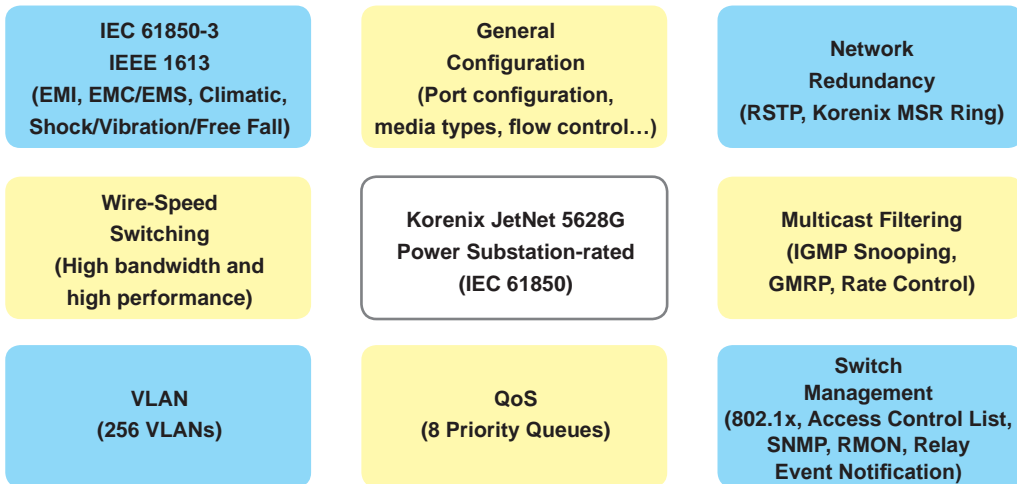
The switch supports up to 9.2Kbytes Jumbo Frame forwarding for efficiently transmitting large files in industrial environments. JetNet 5628G incorporates LLDP function and perfectly works with the Korenix patented Korenix NMS for allowing administrators to automatically discover devices and efficiently manage the industrial network performance in power substations. Furthermore, it fulfills and even

exceeds the high-end management requirements of IEC61850 substation standards by providing doubled performance and efficient traffic transmission through superb management features, including 8 QoS Priority, 256 Tag VLAN groups, 16K MAC address table, IGMP Snooping, DHCP Server/Option 82, LACP, SNMPv3...etc.

IEC 61850-3 / IEEE 1613 Compatibility

In substation environments, there are many EMI & Environmental Phenomena, such as the electric, magnetic, interference high energy power surge, uncontrolled temperature & humidity...etc. When it comes to the Ethernet for substation automation, the utility companies generally advice integrating networking solutions compliant with the IEC 61850-3 and IEEE 1613

standards. IEC61850-3 defines the standard for the "Communication Networks and Systems in Substations", including "General Requirements" for relevant equipments. The IEEE1613 defines the "Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations".



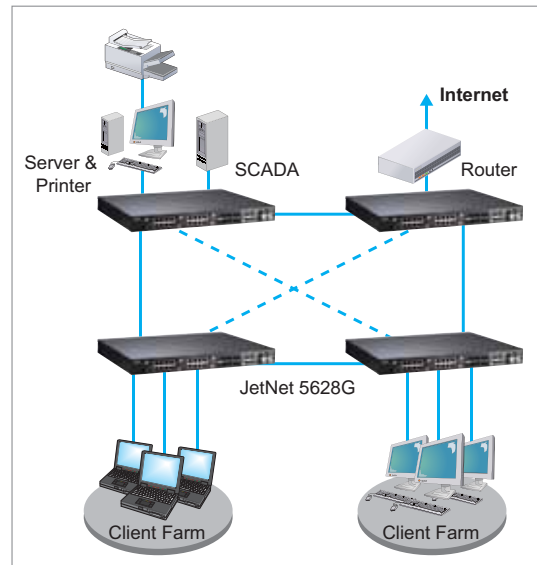
- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch
- Gigabit Managed Ethernet Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (LINUX)
- Industrial Communication Computer (WIN/LINUX)
- Ethernet/PoE/ Serial Board
- Ethernet I/O Server
- Media Converter
- Serial Device Server
- SFP Module
- Din Rail Power Supply

High Bandwidth and Performance

JetNet 5628G series support 24 fast Ethernet ports plus 4 gigabit combo ports as well as wire speed forwarding and up to 9,216 bytes jumbo frame.

- Acting as the access switch, 100M speed is still the major and popular in industrial environment.
- Acting as the distribution switch, 4 Gigabit Combo ports are designed for network redundancy, connecting public server or uplink path...
- 2 Gigabit ports are for forming independent ring, or connecting multiple switches with RSTP protection.
- 2 ports for ring and the others for connecting to public servers with higher bandwidth.
- The upper connection can be aggregated with up to 8G bandwidth in full duplex mode by LACP.
- 4 Combo Ports Design to save stock of storing different kinds of transceivers.

The 24+4G combo port design provides benefits and advantages when planning your industrial network architecture.



Multiple Super Ring (MSR™) Technology

The JetNet 5628G supports the new generation ring technology – MSR™ which includes various new

technologies for redundancy applications and structures of different networks.

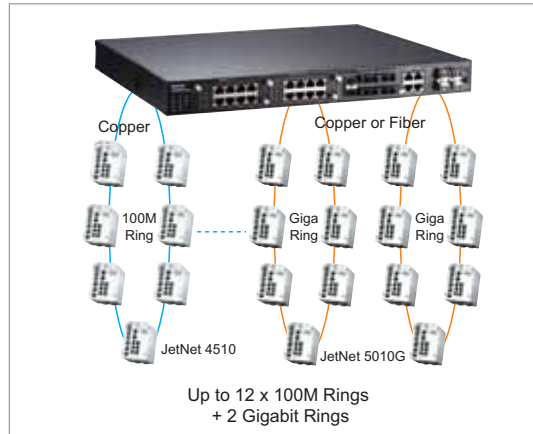


Rapid Super Ring	Rapid Dual Homing	MultiRing	TrunkRing
<ul style="list-style-type: none"> ■ Ring Master auto-select ■ Seamless restoration ■ Ring Failure alarms/LED ■ Failed ring port together with Ring Master ■ Up to 10ms Recovery Time ■ Backward compatible with legacy Super Ring 	<ul style="list-style-type: none"> ■ Multiple Uplink Paths ■ One to One upper, Many to One upper, One to Many upper switches ■ Seamless Restoration ■ Korenix Patent protected 	<ul style="list-style-type: none"> ■ Couple 2 rings with shared unit ■ Multiple up to 12 100M Rings & 4G for 2 Gigabit rings ■ Korenix Patent protected 	<ul style="list-style-type: none"> ■ Integrate Port Trunk/LACP with MSR, RSR ■ Load balancing of ring Ports ■ Backup with each other ■ Korenix Patent protected

Maximum 12+2G Rings Aggregation Capability

Korenix JetNet 5628G supports MultiRing which allows aggregating multiple Rapid Super Rings. With the MultiRing technology all the Fast Ethernet and Gigabit Ethernet ports can be part of the ring ports.

Besides, up to 12 100M Rings can be formed and 2 Gigabit Rings can be aggregated to single access switch. Traditional ring switches, which only allow one ring setting or one ring traffic pass-through, need additional links or settings to connect multiple rings. When there are several ring requests in your network, the setting and environment becomes complex. Unlike these traditional ring switches, with MultiRing feature the lower rings can connect to the JetNet 5628G directly.

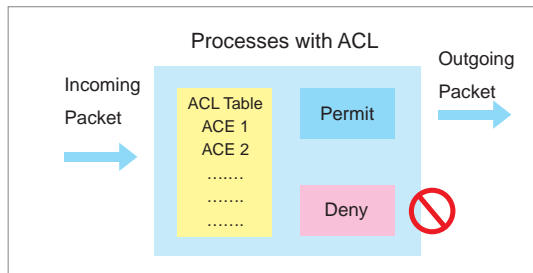


- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch**
- Gigabit Managed Ethernet Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (LINUX)
- Industrial Communication Computer (WIN/LINUX)
- Ethernet/PoE/ Serial Board
- Ethernet I/O Server
- Media Converter
- Serial Device Server
- SFP Module
- Din Rail Power Supply

Advanced Security by Layer 2/4 Access Control List

In substation automation or industrial control room installation, multiple types of advanced security features are required and must be implemented. The secured Access Control List (ACL) makes it easy to limit certain devices communicating with the other addressed devices and by the specific protocol. Example rules include (1) administrator to multiple stations, (2) stations to stations and (3) stations to public servers...etc.

The ACLs provide "Permit" and "Deny" rules for any or the specific host. The IP address, MAC address and port ID are the destinations allowed to be applied the rules. The protocol ID, QoS tag, TCP flag... are the operations which users prefer to control.



The JetNet 5628G is equipped with one layer 2+ switch fabric which provides flexible ACLs for the specified subjects and operations within the same LAN.

Modbus TCP/IP for Factory Automation Network Enhancement

JetNet 5628G supports Modbus TCP/IP protocol for providing enhanced monitoring and maintenance in factory automation applications. It enables users to read the information from the connected advanced Ethernet

based devices, such as SCADA systems through their own Modbus/TCP based progress/ display/ monitor applications, and also monitor the status of the switches easily.

Link Layer Discovery Protocol

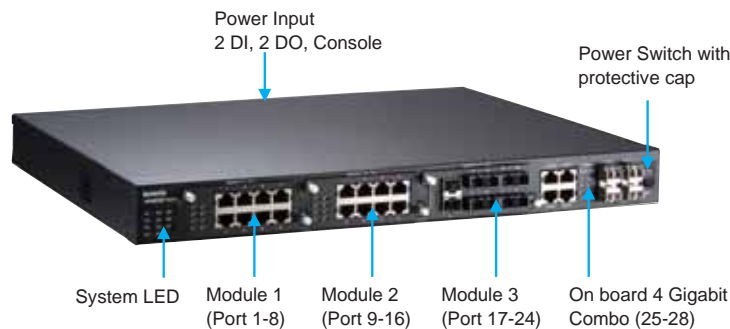
The Link Layer Discovery Protocol (LLDP) was formally ratified as IEEE 802.1AB-2005. LLDP is the Layer 2 protocol that allows the network device/station to advertise connectivity & management information, the identity & major capabilities. It receives and establishes network management information on the local same network.

In industrial environments, most vendors provide their own discovering protocols, window utility or other tools to manage their switches. The LLDP protocol fixes the interoperability among them. With LLDP supported, users can easily browse the network devices and establish the network management information schema of the stations.

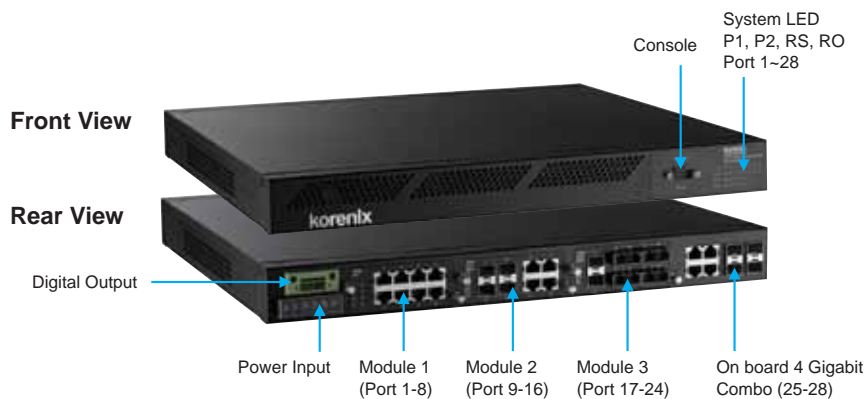
Supporting SNMP, LLDP and Korenix View protocol, the JetNet 5628G series can be easily discovered, port and ring status can be displayed by Korenix NMS, Korenix designed Network Management System or other NMS which support SNMP and LLDP. The software can help administrators efficiently and effectively manage the industrial network.



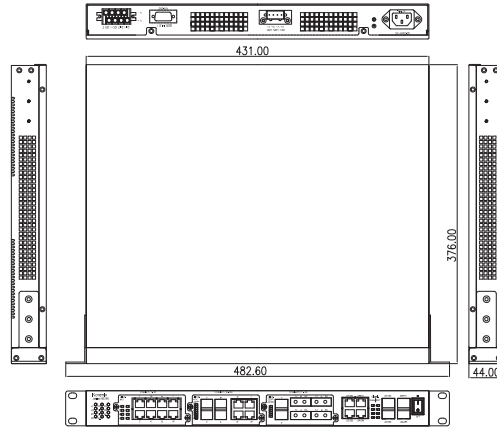
JetNet 5628G Appearance



JetNet 5628G-R Appearance

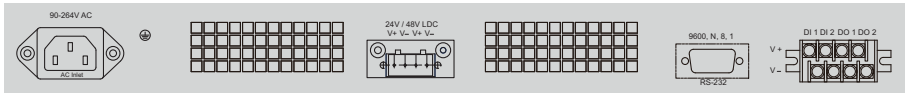


JetNet 5628G Dimensions (Unit = mm)



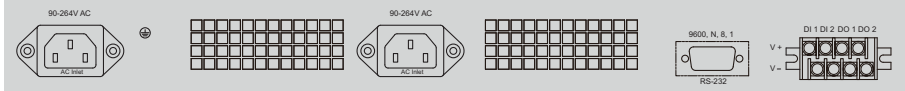
JetNet 5628G IEC61850-3 substation-rated 24+4G Modular Managed Ethernet Switch

Power Input: 1 x 85-264VAC/88-370VDC + 2 x 24/48VDC



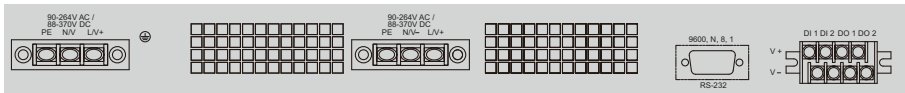
JetNet 5628G-2AC IEC61850-3 substation-rated 24+4G Modular Managed Ethernet Switch with Dual AC input

Power Input: 2 x 85-264VAC/88-370VDC, Standard three-pronged AC plug

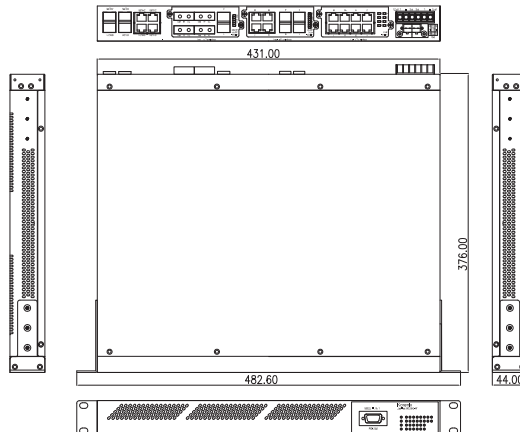


JetNet 5628G-2HDC IEC61850-3 substation-rated 24+4G Modular Managed Ethernet Switch with Dual 88-370VDC input

Power Input: 2 x 85-264VAC/88-370VDC, 3pin Terminal Block



JetNet 5628G-R Dimensions (Unit = mm)



- Industrial Intelligent NMS
- Rackmount PoE Plus Switch
- Industrial PoE Plus Switch
- Industrial 12-24V PoE Switch
- Industrial PoE Switch
- Rackmount L3/L2 Switch**
- Gigabit Managed Switch
- Managed Ethernet Switch
- Entry-level Switch
- Wireless Outdoor AP
- Embedded PoE/Router Computer (WIN/LINUX)
- Industrial Communication Computer (WIN/LINUX)
- Ethernet/PoE/Serial Board
- Ethernet I/O Server
- Media Converter
- Serial Device Server
- SFP Module
- Din Rail Power Supply

Flexible Module Design

The JetNet 5628G provides several types of Fast Ethernet modules. There are 8 10/100Base-TX ports, 4 10/100Base-TX plus 4 100Base-FX and 4 100Base-FX/SC ports plus 2 100Base-FX SFP modules. By turning off the power at the front on the switch it's becoming possible to insert the modules or exchange the module types.

The modular design is more flexible for purchasing, provides less storage of stock and field installations. Once the distance is over 100 meters, users can exchange modules without replacing the device. When purchasing the JetNet 5628G, please confirm the media type and the port volume.

Naming Rule: JNM5-ABBCC/ABBCC

JNM5	A: Port Volume	BB: RJ-45/Fiber	CC: Type of Fiber Connector
5: JetNet 5xxx Series Module	2: 2 Ports 4: 4 Ports 8: 8 Ports	TX: RJ45 M: Multi mode S: Single Mode	SC: SC Connector SFP: SFP socket



JNM5-8TX:
8 ports 10/100Base-TX module



JNM5-2SFP/4MSC:
2 100Base-FX SFP + 4 100Base-FX/SC Multi-mode 2KM

JNM5-2SFP/4SSC:
2 100Base-FX SFP + 4 100Base-FX/SC Single-mode 30KM

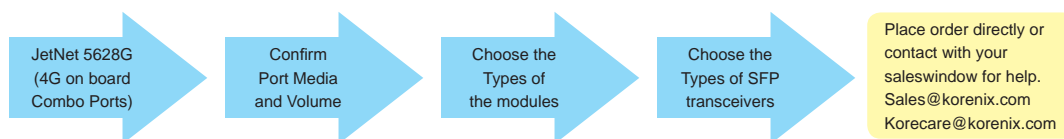


JNM5-4TX/4SFP: 4 ports 10/100TX + 4 100FX-SFP Socket

The examples:

Fast Ethernet module	On Board	Example
JNM5-4TX/4SFP x 1	4 10/100/1000 or 4G SFP	4 x 100M copper + 4 x 100M SFP + 4G, combo 8 x 100M copper + 4 x 100M SFP, 6 x 100M copper + 4 x 100M SFP + 2G combo ...etc.
JNM5-8TX x 1	4 10/100/1000 or 4G SFP	8 x 100M copper + 4G Combo, 12 x 100M copper, 10 x 100M copper + 2G combo ...etc.
JNM5-2SFP/4MSC	4 10/100/1000 or 4G SFP	6 x 100M Fiber + 4G Combo, 4 x 100M copper + 6 100M Fiber ...etc.
JNM5-8TX x 2 + JNM5-4TX/4SFP x 1	4 10/100/1000 or 4G SFP	20 x 100M copper + 4 x 100M SFP + 4G combo 22 x 100M copper + 4 x 100M SFP + 2G combo ...etc.

Purchasing Progress



Specification

Technology

Standard:

IEEE 802.3 10Base-T Ethernet
 IEEE 802.3u 100Base-TX Fast Ethernet
 IEEE 802.3ab 1000Base-T
 IEEE 802.3z Gigabit Ethernet Fiber
 IEEE 802.3x Flow Control and Back-pressure
 IEEE 802.1p class of service
 IEEE 802.1QinQ
 IEEE 802.1Q VLAN
 IEEE 802.1D-2004 Rapid Spanning Tree Protocol (RSTP)
 IEEE 802.1s Multiple Spanning Tree Protocol
 IEEE802.3ad LACP
 IEEE802.1X Port based Network Access Control
 IEEE802.1AB Link Layer Discovery Protocol
 IEEE 1588v1 Precision Time Protocol (PTP)

Performance

Switch Technology:

Store and Forward Technology, 12.8Gbps Switch Fabric.

System Throughput: 14,880pps for 10M Ethernet, 148,800pps for 100M Fast Ethernet, 1,488,100 pps for Gigabit Ethernet

Transfer packet size: Typical: 64 bytes to 1536 bytes

Jumbo Frame Enabled: Up to 9,216bytes.

MAC Address: 16K MAC

Packet Buffer: 32Mbits

Relay Alarm: Dry Relay output with 1A@24V ability

Management

Configuration: Cisco-Like CLI, Korenix View, Web, HTTPS, SSH, Backup/Restore, DHCP Client, Warm reboot, Reset to default, Admin password, MAC address table display, Static MAC, Aging time

Port Configuration: Port Enable/Disable, Flow Control, Speed/Duplex, Status and Port Statistic

Port Trunk: Static Trunk and 802.3ad LACP, Up to 6 Trunk Group, 8 ports per trunk

LACP: IEEE 802.3ad Link Aggregation Control Protocol, Short/Long LACP Timeout

Port Mirroring: Online traffic monitoring on multiple selected ports

Jumbo Frame: Enable/Disable with Adjustable MTU size

SNMP: SNMP v1, v2c, v3 and Traps.

SNMP MIB: MIB-II, Ethernet-like, P-Bridge, Q-Bridge, Bridge, RSTP, RMON Group 1,2,3,9 and Private MIB

LLDP: Link Layer Discovery Protocol to advertise system/port identity and capability on the local network

Modbus/TCP: Industrial Communication protocol for monitoring

VLAN: IEEE802.1Q VLAN, GVRP. Up to 256 Tag VLAN, 4K Configurable VLAN ID

Private VLAN: Direct client ports in isolated/community VLAN to promiscuous port in Primary VLAN

Q-in-Q: Double VLAN Tag in an Ethernet frame

Quality of Service: 8 physical priority queues per port, IEEE802.1p COS and Layer 3 TOS/DiffServ

IGMP Snooping: IGMP Snooping V1/V2/V3 for multicast filtering and IGMP Query, up to 256 Multicast Groups

GMRP: GARP Multicast Registration Protocol

Rate Control: Ingress filtering for Broadcast, Multicast, Unknown DA or All packets, step by 64kbps.

IEEE1588 Precision Time Protocol (PTP): Synchronize time from the PTP server

NTP: Network Time Protocol to synchronize time from Internet

Embedded Watchdog: Embedded hardware watchdog timer to auto reset system when switch system failure

802.1x: Port_based Network Access Control

Radius: Login by Radius account/password, Key for Radius Server Authentication

Access Control List (ACL): Deny/Permit ACL Security policy for specific IP/MAC address and TCP/UDP port

DHCP Server: Provide 255 IP addresses. Support IP/MAC binding, option 82, and port based IP assignment features

DHCP Option 82: Relay DHCP Request to different IP subnet

E-mail Warning: Automatic warning by pre-defined events

System Log: Supports both Local mode and Server mode

Alarm Events: Power and Ports Failure, DI state, DO state, Ping Failure, Login Fail, Time Synchronize Fail, Super Ring Topology Change

Network Redundancy

Multiple Spanning Tree Protocol: IEEE802.1s MSTP, each MSTP instance can include one or more VLANs.

Rapid Spanning Tree Protocol: IEEE802.1D-2004 Rapid Spanning Tree Protocol. Compatible with Legacy STP and IEEE802.1w.

Multiple Super Ring (MSR)TM: New generation Korenix Ring Redundancy Technology, Includes Rapid Super Ring, Rapid Dual Homing, TrunkRing, MultiRing and backward compatible with legacy Super Ring

Rapid Dual Homing (RDH)TM: Multiple uplink paths to one or multiple upper switch

TrunkRingTM: Integrate port aggregate function in ring path to get higher throughput ring architecture

MultiRingTM: Couple or multiple up to 12 100M rings and 2 Gigabit Rings in a single switch

Legacy Super Ring: Backward compatible in client mode

Interface – On Board

Number of Fixed On-Board Gigabit Ports:

10/100/1000Base-TX: 4 x RJ-45, combo with SFP

1000Base-X: 4 x SFP with Hot Swappable, DDM (Digital Diagnostic Monitoring) SFP supported

Diagnostic LED (JetNet 5628G series):

AC/HDC Power 1/2(Green), LDC Power 1/2 (Green), RDY(Ready) (Green), Digital Input 1/2(Green), Ring Master (Green), Digital Output 1/2(Red), Ring Fail (Red) Gigabit Copper/SFP (Port 25-28): Link/Activity (Green/Green Blinking)

Diagnostic LED (JetNet 5628G-R):

PWR 1/2 (Green); DO 1(Red); R.S. (Green: Ring state is normal; Green Flashing: Incorrect configuration; Amber: Ring state is abnormal; Amber Flashing: One of the ring ports break has been detected.) Port 1-28: Link/Activity (Green/Green Blinking)

Industrial Intelligent NMS

Rackmount PoE Plus Switch

Industrial PoE Plus Switch

Industrial 12-24V PoE Switch

Industrial PoE Switch

Rackmount L3/L2 Switch

Gigabit Managed Switch

Managed Ethernet Switch

Entry-level Switch

Wireless Outdoor AP

Embedded PoE/Router Computer (LINUX)

Industrial Communication Computer (WIN/LINUX)

Ethernet/PoE/Serial Board

Ethernet I/O Server

Media Converter

Serial Device Server

SFP Module

Din Rail Power Supply



Cables:

10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable (100m)

100 Base-TX: 2/4-pair UTP/STP Cat. 5 cable (100m)

1000 Base-T: 4-pair UTP/STP Cat. 5 cable (100m)

Power Switch: Easy to power off the switch when exchanging the module

RS232 Console: DB9 Connector, Pin3: TxD, Pin2: RxD, Pin5:GND

Digital Input: 2 sets of Digital Input

Logic Low (0): 0-10VDC/Logic High(1): 11-30VDC

Alarm: 1/2 sets of Dry Relay outputs with 1A@24V for configurable events

Interface – Module

JNM5-8TX

Number of Ports in Modules: 8 x 10/100Base-TX, Auto MDI/MDI-X, Auto Negotiation

JNM5-4TX/4SFP

Number of Ports in Modules: 4 x 10/100Base-TX, Auto MDI/MDI-X, Auto Negotiation

SFP: 4 x 100M Base-FX SFP Socket

JNM5-2SFP/4MSC

Number of Ports in Modules: 2 x 100Base-FX SFP plus 4 x 100Base-FX Multi mode SC Transceiver

SFP: 2 x 100M Base-FX SFP Socket

100Base-FX Multi Mode SC Transceiver

Multi-mode SC duplex connector

Central Wavelength: 1310 nm

Output Optical Power:

62.5/125 um fiber: -20 ~ -14 dBm

50/125 um fiber: -23.5 ~ -14 dBm

Minimum Input Optical Power (Sensitivity): -31 dBm

Single power supply: 3.3V

Power Consumption: Per Port max. 1.6 Watt (4V*400mA)

Typical Distance: 2KM

JNM5-2SFP/4SSC:

Number of Ports in Modules: 2 x 100Base-FX SFP plus 4 x 100Base-FX Single mode SC Transceiver

SFP: 2 x 100M Base-FX, LC Type

100Base-FX Single Mode SC Transceiver (30KM)

Single-Mode SC duplex connector

Central Wavelength: 1310 nm

Output Optical Power:

9/125 um fiber: -15 ~ -8 dBm

Minimum Input Optical Power (Sensitivity): -34 dBm

Single power supply: 3.3V

Power Consumption: Per port max. 1.6 Watt (4V*400mA)

Typical Distance: 30KM

Port ID: Port ID of Slot 1 start from port 1 to 8, slot 2 start from port 9 to 16, slot 3 start from port 17 to 24

Port LED:

Link/Activity of connected port (Green/Green Blinking)

Note: When the operating temperature is higher than 55°C, choose Wide Temperature SFP(-40~85°C) instead of normal temperature SFP transceiver

Power Requirements

Power:

AC: 85-264VAC

HDC (High Voltage DC Input): 88-370VDC

LDC (Low Voltage DC input): 24/48VDC (5628G only)

Power Consumption: Max. 50 Watts, by modules

Power Connector:

JetNet 5628G: 1 x Standard 3-pronged AC plug +4 pin LDC Terminal Block

JetNet 5628G-2AC: 2 x Standard 3-pronged AC plug

JetNet 5628G-2HDC: 2 x 3pin HDC Terminal Block

JetNet 5628G-R: 6 pin HDC Terminal Block

Mechanical

Installation: 19-inch, 1U Rack Mount

Module: Exchangeable after power off the switch

Case: Metal case

Dimension: 44mm(H) x 431mm (W) x 376mm (D)

Weight: 7 kg with package

Environmental

Operating Temperature & Humidity

Dry Heat: 85°C, 16hrs

Cold: -40°C, 16hrs; Cold Start requires 100VAC

Damp Heat: 50°C, 95% Humidity (non-condensing), 4 Cyclic, 96hrs

Above tests follows IEC 61850-3 clause 5.2&5.3, IEC 60870-2-2 and IEEE 1613 clause 4.1

Korenix Stress Test: -40 ~70°C with 95% Humidity, 3 Cyclic, 51hrs

Storage Temperature: -40 ~ 85°C

Operating Humidity: 5% ~ 95%

Hi-Pot: 1.5KV for AC power and Port

Regulatory Approvals

Power Substation: IEC 61850-3 and IEEE 1613 rated

Traffic Control: NEMA TS-2 rated

Railway: EN50121-4 rated

EMI: FCC Class A, CE/EN55022. Class A

EMS:

IEC 61000-4-2(ESD),

IEC 61000-4-3(RS),

IEC 61000-4-4(EFT),

IEC 61000-4-5(Surge),

IEC 61000-4-6(CS),

IEC 61000-4-8(RF Magnetic),

IEC 61000-10(Damped oscillator),

IEC 61000-4-11(Voltage Dips),

IEC 61000-4-16(Conducted command disturbances),

IEC 61000-4-17(Ripper on DC power),

IEC 61000-4-18(Damped oscillatory wave),

IEC 61000-4-29(Voltage Dips)

IEEE cl.5.3 Voltage Dip, IEEE 1613 cl.6.3 Impulse Voltage,

IEEE 1613 cl.6.2 High Voltage Test

Shock: IEC 61850-3 clause 5.5, IEC 60870-2-2 table 3

Vibration: IEC 61850-3 clause 5.5, IEC 60870-2-2 table 3

Free Fall: IEC 61850-3 clause 5.5, IEC 60870-2-2 table 3

MTBF: Above 200,000 Hours, MIL-HDBK-217F GB standard

Warranty: 5 years

Ordering Information

■ **JetNet 5628G IEC61850-3 rated 24+4G Modular Managed Ethernet Switch**

Power Input: 1 x 85-264VAC/88-370VDC + 2 x 24/48VDC

■ **JetNet 5628G-2AC IEC61850-3 rated 24+4G Modular Managed Ethernet Switch with Dual AC input**

Power Input: 2 x 85-264VAC/88-370VDC, Standard 3 pronged AC plug

■ **JetNet 5628G-2HDC IEC61850-3 rated 24+4G Modular Managed Ethernet Switch with Dual 88-370VDC input**

Power Input: 2 x 85-264VAC/88-370VDC, 3pin Terminal Block

■ **JetNet 5628G-R IEC61850-3 rated 24+4G Modular Managed Ethernet Switch with Ethernet Ports on the Rear**

Power Input: 2 x 85-264VAC/88-370VDC, 6 pin Terminal Block

	PWR 1	PWR 2	AC/HDC Connector	LDC 1	LDC 2
5628G	85~264VAC/ 88-370VDC		Standard 3 pronged AC plug	24/48VDC	24/48VDC
5628G-2AC	85~264VAC/ 88-370VDC	85~264VAC/ 88-370VDC	2 x Standard 3 pronged AC plug		
5628G-2HDC	85~264VAC/ 88-370VDC	85~264VAC/ 88-370VDC	2 x 3pin Terminal Block		
5628G-R	85~264VAC/ 88-370VDC	85~264VAC/ 88-370VDC	6 pin HDC Terminal Block		

Accessories:

JetNet 5628G Series (4G Combo on board, No Fast Ethernet modules, no SFP transceivers)

Rack Mount Kit, Quick Installation Guide, Document CD, Console Cable, Power code

Additional Modules:

JNM5-8TX: 8 ports 10/100Base-TX module

JNM5-2SFP/4MSC: 2 100Base-FX SFP + 4 100Base-FX/SC Multi-mode 2KM

JNM5-2SFP/4SSC: 2 100Base-FX SFP + 4 100Base-FX/SC Single-mode 30KM

JNM5-4TX/4SFP: 4 ports 10/100TX + 4 100FX-SFP Socket

Optional Accessories

100Base-FX Multi-Mode SFP Transceiver

100Base-FX Single-Mode SFP Transceiver

100Base-FX BIDI/WDM Single-Mode SFP Transceiver

Gigabit Multi-Mode SFP Transceiver

Gigabit Single-Mode SFP Transceiver

Gigabit BIDI/WDM Single-Mode SFP Transceiver

Gigabit DDM SFP Transceiver

Industrial
Intelligent
NMS

Rackmount
PoE Plus
Switch

Industrial
PoE Plus
Switch

Industrial
12-24V
PoE Switch

Industrial
PoE Switch

**Rackmount
L3/L2 Switch**

Gigabit
Managed
Switch

Managed
Ethernet
Switch

Entry-level
Switch

Wireless
Outdoor AP

Embedded
PoE/Router
Computer
(LINUX)

Industrial
Communication
Computer
(WIN/LINUX)

Ethernet/PoE/
Serial Board

Ethernet
I/O Server

Media
Converter

Serial Device
Server

SFP Module

Din Rail
Power Supply