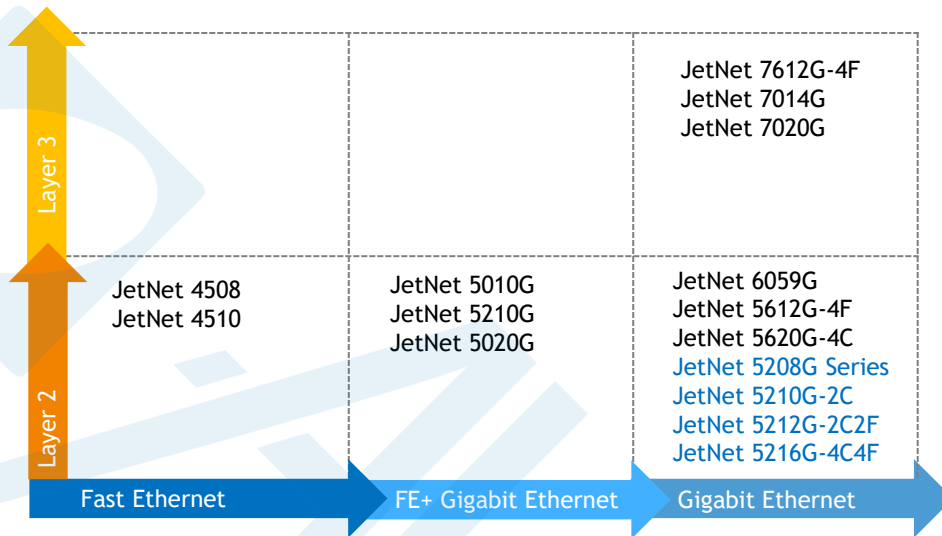


DIN-Rail Switch Portfolio

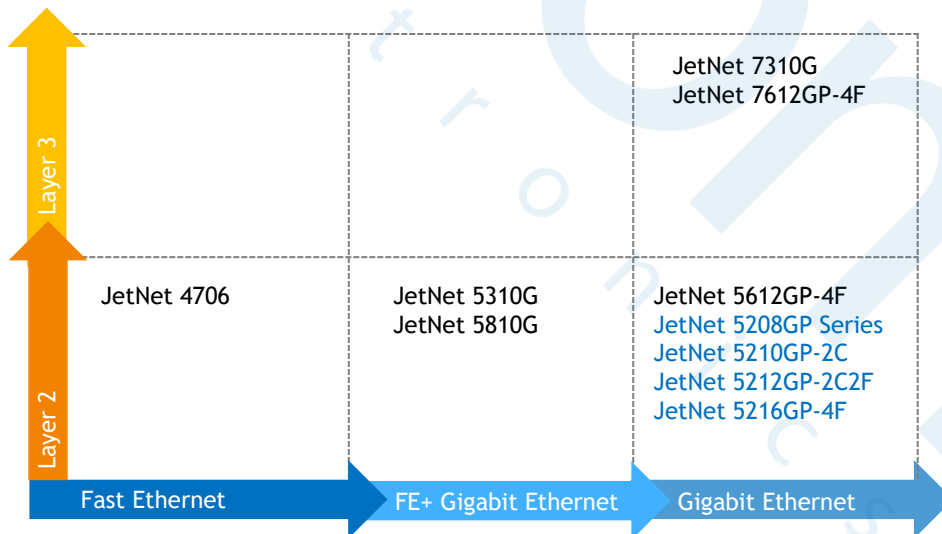


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DIN-Rail PoE Switch Portfolio



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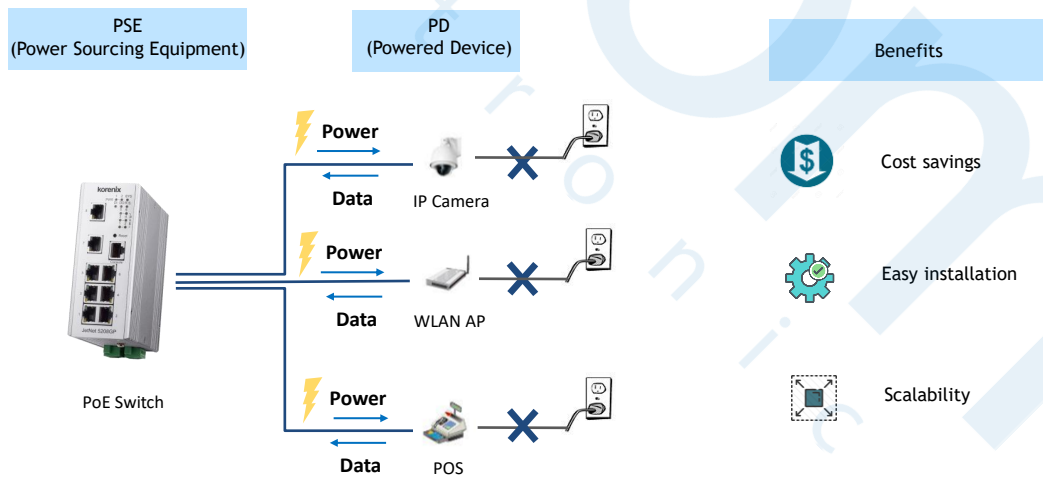
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PoE is everywhere



7

What is PoE (Power over ethernet)?



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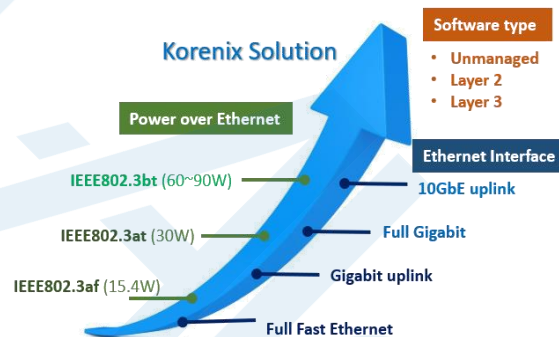
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PoE Standard

- Power and data coexist on the same copper conductors and do not affect each other

Standard		Year	Max. Power Output	Cable category	Cable length	Power over
IEEE 802.3af	PoE	2003	15.4W	Cat5e	100 m	2 pairs
IEEE 802.3at	PoE+	2009	30W	Cat5e	100 m	2 pairs
IEEE 802.3bt	PoE++	2018	90W	Cat5e/6	100 m	4 pairs



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IEEE 802.3bt Markets and Application

IEEE Standards and PDs



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JetNet 5208G/ 5208GP Series

Empower High-speed Slim-size 8 port Ethernet Switch



JetNet 5208G Series

JetNet 5208GP Series



Compact Size

- 135 (H) x 120 (D) x 50(W)
- Compact Size for Cabinet
- **10% Size down**



Robust

- Industrial Grade DC Input
- Wide Temperature/ Humidity
- 5 Years Warranty



Flexible

- RJ45 & SFP Free Combination
- 802.3af/at/bt* PoE
- **180W Power Budget**



Intelligent

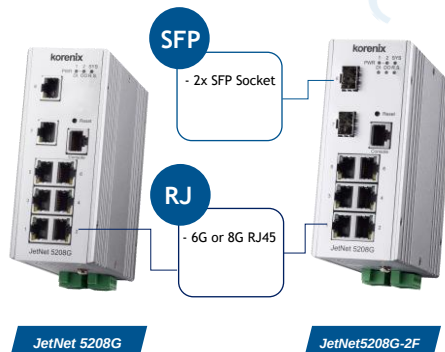
- L2 Manage Switch
- PoE Control
- Security Protection

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JetNet 5208G Series



JetNet 5208G

JetNet5208G-2F

- Network Redundancy - MSR, ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Device & Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security - Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Layer 2



Gigabit



Cyber Security



EN50121-4



10-60V



MSR Ring

Model Name	10/100/1000 Ethernet	100/1000 Fiber	Power Input	Temp.
JetNet 5208G	8	-	10-60V	-40~75°C
JetNet 5208G-2F	6	2	10-60V	-40~75°C

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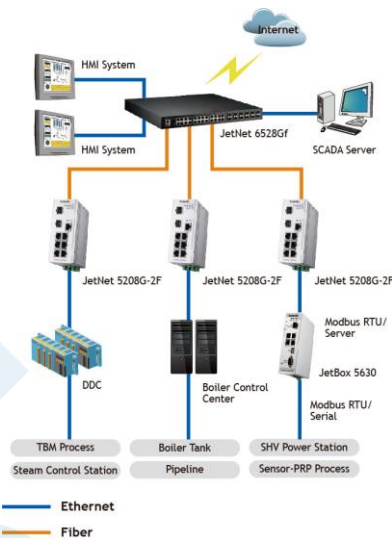
Application-Factory Automation

Overview:

A Tire Factory needs to improve its automation system by integrating HMI, SCADA and other data acquisition systems.

Korenix Solution:

- **JetNet 5208G-2F:** With full gigabit design users were able to transmit data rapidly.
- **JetBox 5630:** collect data from various networking equipment
- **JetNet 6528Gf:** the device is used as a base of a data acquisition system that collects data from different factory facility subsystems.

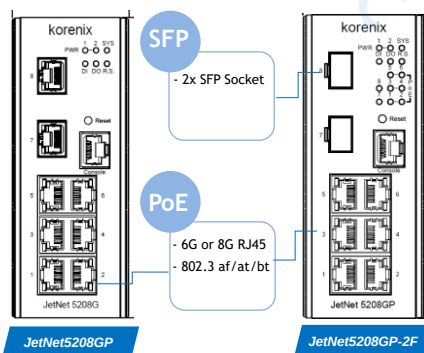


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JetNet 5208GP Series

IEEE 802.3 bt



- Network Redundancy - MSR, ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Device & Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security - Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Model Name	10/100/1000 Ethernet	100/1000 Fiber	PoE Port	PoE	Power Budget	Power Input	Temp.
JetNet 5208GP	8	-	# 1-6	af/at	180W	46-57V	-40~75°C
JetNet 5208GP-2F	6	2	# 1-6	af/at	180W	46-57V	-40~75°C
JetNet 5208GP-U	8	-	# 1-4	af/at/bt	180W	50-57V	-40~75°C
JetNet 5208GP-2F-U	6	2	# 1-4	af/at/bt	180W	50-57V	-40~75°C

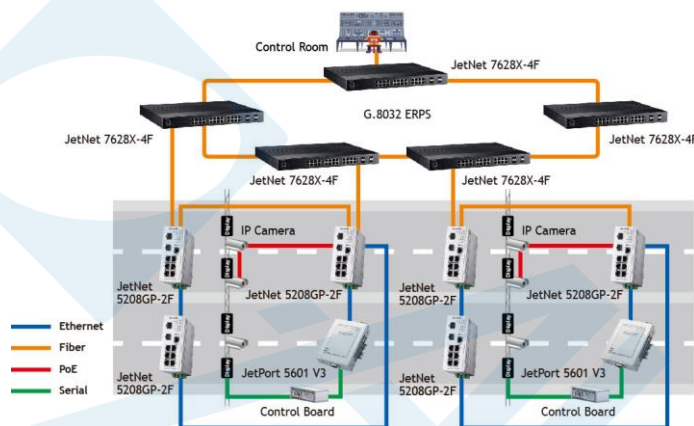
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Application-Highway

Overview: Surveillance system used in highway needs to provide power source to PD, such as IP Camera and sensors.



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Korenix Solution:

- **JetNet 5208G-2F:** With POE function and slimmer size design users were able to install machine in cabinet to save the space.
- **JetNet 7628X-4F:** In the control rooms, JetNet 7628X-4F, As a base of a data acquisition and analysis system from different site.
- **JetPort 5601:** A serial device server for existing serial devices via Real COM and TCP Server/Client modes

JetNet 5210G/5212G Series



JetNet 5210G/GP Series

JetNet 5212G/GP Series



Compact Size

- 135 (H) x 120 (D) x 50(W)
- Compact Size for Cabinet
- **35% Size down**



Robust

- Industrial Grade DC Input
- Wide Temperature/ Humidity
- 5 Years Warranty



Flexible

- RJ45 & SFP Free Combination
- 802.3af/at/bt* PoE
- **480W Power Budget***



Intelligent

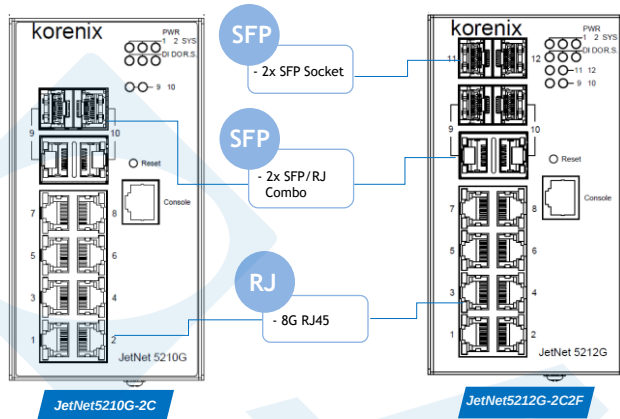
- L2 Manage Switch
- PoE Control
- Security Protection

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JetNet 5210G/5212G Series



- Network Redundancy - MSR (Multiple Super Ring), ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Fully Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Friendly Device and Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security system by Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Model Name	10/100/1000 Ethernet	100/1000 Combo	100/1000 Fiber	Power Input	Temp.
JetNet 5210G-2C	8	2	-	10-60V	-40~75°C
JetNet 5212G-2C2F	8	2	2	10-60V	-40~75°C

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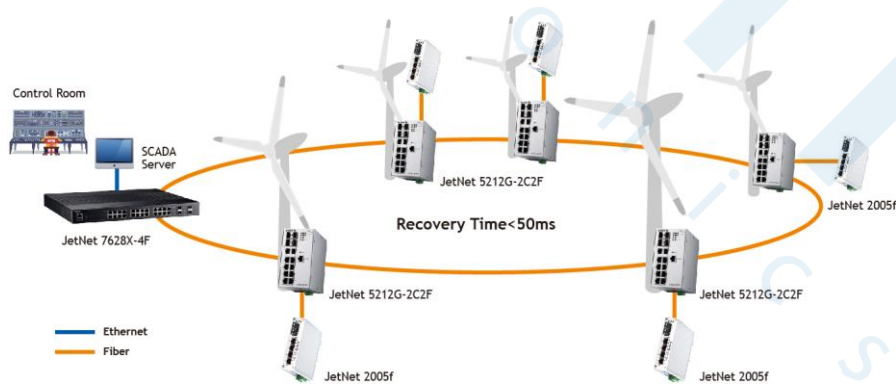
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Application-Offshore Wind Power

Overview: Power fields are often in large scope. Multiple fiber ports are necessary for long distance transition.

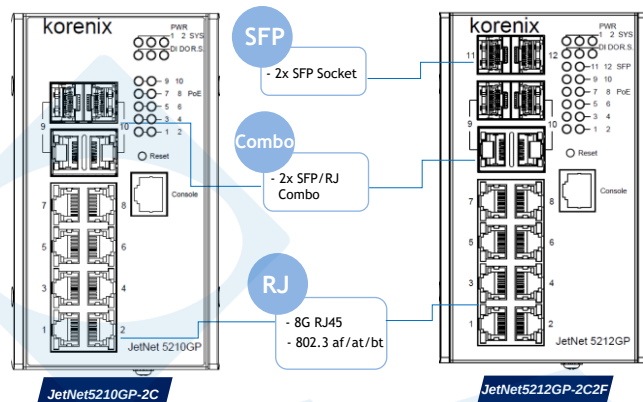
Korenix Solution:

- **JetNet 7628X-4F:** 28G Full Gigabit with 4 10G SFP L3 Managed Ethernet Switch
- **JetNet 5212GP-2C2F:** 8GbE/TX, 4 GbE/SFP Managed PoE Switch


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JetNet 5210GP/5212GP Series IEEE 802.3 bt



- Network Redundancy - MSR (Multiple Super Ring), ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Fully Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Friendly Device and Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security system by Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Model Name	10/100/1000 Ethernet	100/1000 Combo	100/1000 Fiber	PoE Port	PoE	Power Budget	Power Input	Temp.
JetNet 5210GP-2C	8	2	-	# 1-8	af/at	240W	46-57V	-40~75°C
JetNet 5210GP-2C-U	8	2	2	# 1-8	af/at/bt	480W	50-57V	-40~75°C
JetNet 5212GP-2C2F	8	2	-	# 1-8	af/at	240W	46-57V	-40~75°C
JetNet 5212GP-2C2F-U	8	2	2	# 1-8	af/at/bt	480W	50-57V	-40~75°C

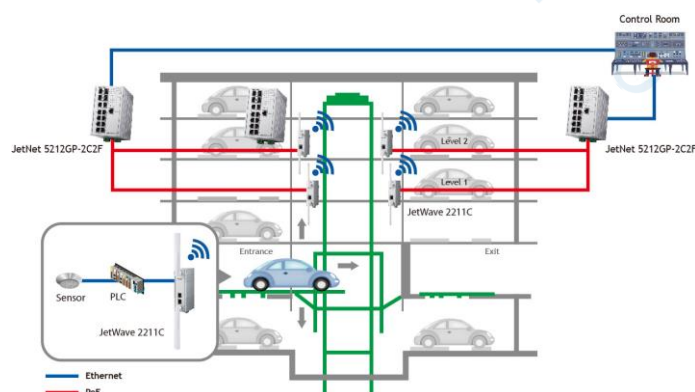
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Application-Automatic Car Park Control

Overview:

- Not enough power source and PoE required for wireless products.
- PROFINET protocol require. End user connect PLC to WIFI Client in this application. Korenix WIFI series provide PROFINET protocol transition to allow user transmit different industrial protocol.
- The system require high quality of roaming time. Korenix provide Fast roaming time under 50ms.



Korenix Solution:

- **JetNet 5212GP-2C2F:** 12 ports Gigabit Managed PoE Switch
- **JetWave 2211C:** Industrial Wireless Client

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JetNet 5216G/5216GP Series



JetNet 5216G Series

JetNet 5216GP Series



Powerful

- 12port PoE
- 802.3af/at/bt* PoE
- 480W Power Budget*



Robust

- Industrial Grade DC Input
- Wide Temperature/ Humidity
- 5 Years Warranty



Flexible

- Up to 8port SFP*
- RJ45 & SFP Free Combination*



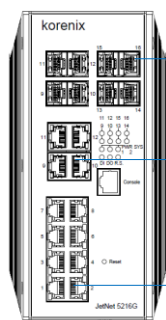
Intelligent

- L2 Manage Switch
- PoE Control
- Security Protection

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JetNet 5216G



JetNet5216G-4C4F

SFP

- 4x SFP Socket

Combo

- 4x SFP/RJ Combo

RJ

- 8G RJ45

- Network Redundancy - MSR (Multiple Super Ring), ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Fully Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Friendly Device and Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security system by Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Layer 2



Cyber Security



EN50121-4



10-60V



MSR Ring

Model Name	10/100/1000 Ethernet	100/1000 Combo	100/1000 Fiber	Power Input	Temp.
JetNet 5216G-4C4F	8	4	4	10-60V	-40-75°C

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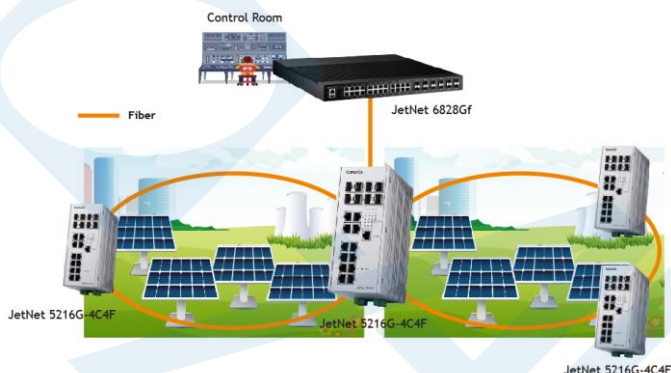
Application Feature- Solar Station

Overview:

Abundant fiber are required when the application is in huge scope or long distance.

Such as old building in star topology, or solar/wind station in wide area.

In order to connect multiple ring and have data uplink to control center, the number of fiber port will be key feature for the solution.



Korenix Solution:

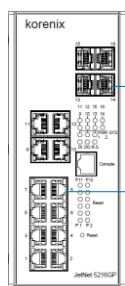
- **JetNet 5216G-4C4F:** With max. 8port SFP in design, users are able to install 1pcs JetNet 5216G-4C4F for long distance or trunk ring demand to save space, instead of using rackmount type or two switch.
- **JetNet 6828Gf:** In the control rooms, the device is used as a base of a data acquisition and analysis system from different site.

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JetNet 5216GP Series

IEEE 802.3 bt



SFP

- 4x SFP Socket

RJ

- 12G RJ45

JetNet5216GP-4F

- Network Redundancy - MSR (Multiple Super Ring), ITU-T G.8032 ERPS V1/V2, RSTP, MSTP
- Fully Device Management - SNMP v1/v2c/v3, RMON, Web UI, Telnet and Local Console
- Friendly Device and Network Topology recovery utility - Korenix View, Korenix NMS
- Layer 2 Network Performance - IEEE802.1Q VLAN, Private VLAN, Trunk, Packet Filtering, DHCP Server/Client, Traffic Prioritize, Rate Control
- Advanced Security system by Port Security, Access IP list, SSH, HTTPS Login, TACACS+
- Event Notification through E-mail, SNMP trap and SysLog



Layer 2



Cyber Security



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Power Budget



MSR Ring

Model Name	10/100/1000 Ethernet	100/1000 Fiber	PoE Port	PoE	Power Budget	Power Input	Temp.
JetNet 5216GP-4F	12	4	# 1-12	af/at	360W	46-57V	-40~75°C
JetNet 5216GP-4F-U	12	4	# 1-12	af/at/bt	480W	50-57V	-40~75°C

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