Korenix Compass Dec

2016 Embedded World

- **Date: 23-25 Feb., 2016**
- **Place: Nuremberg, Germany**
- **Booth No.: Hall 5-149**
- **New Product Launch& Trainings**

Register NOW

Get one wireless device for **FREE**

Feb . 24th (Wed.)	Feb. 25th (Thur.)
12:30-14:30 **Wireless**	12:30-14:30 **Wireless**
15:30-17:30 **ITS Solutions**	

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23-25 February 2016 / Nuremberg   **Hall 5-149**

New Product Launch and Trainings

■ Feb. 24 Wireless   ■ Feb. 24 ITS Solutions   ■ Feb. 25 Wireless

Register NOW

New Product Launched in 2015

JetNet 4508i/if

Industrial 8-port Managed Ethernet (fiber) Switch – **JetNet 4508i/ JetNet 4508if** fully comply and exceed the IEC 61850-3 and IEEE 1613 environmental performance tests for ensuring enhanced network infrastructures in ruggedized substation applications.

JetWave 3420

■ **Korneix wide portfolio of wireless solution is now more comprehensive with the extension of Industrial 4G LTE Wireless IP Gateway –JetWave 3420 series.** Korenix JetWave 3420 series is designed to communicate from the Ethernet, WIFI and Serials over LTE network and backward compatibility with 3G which enables remote and mobile control to the LAN and WIFI interfaces to provide seamless data transmission and meet the challenging demands of industrial applications.
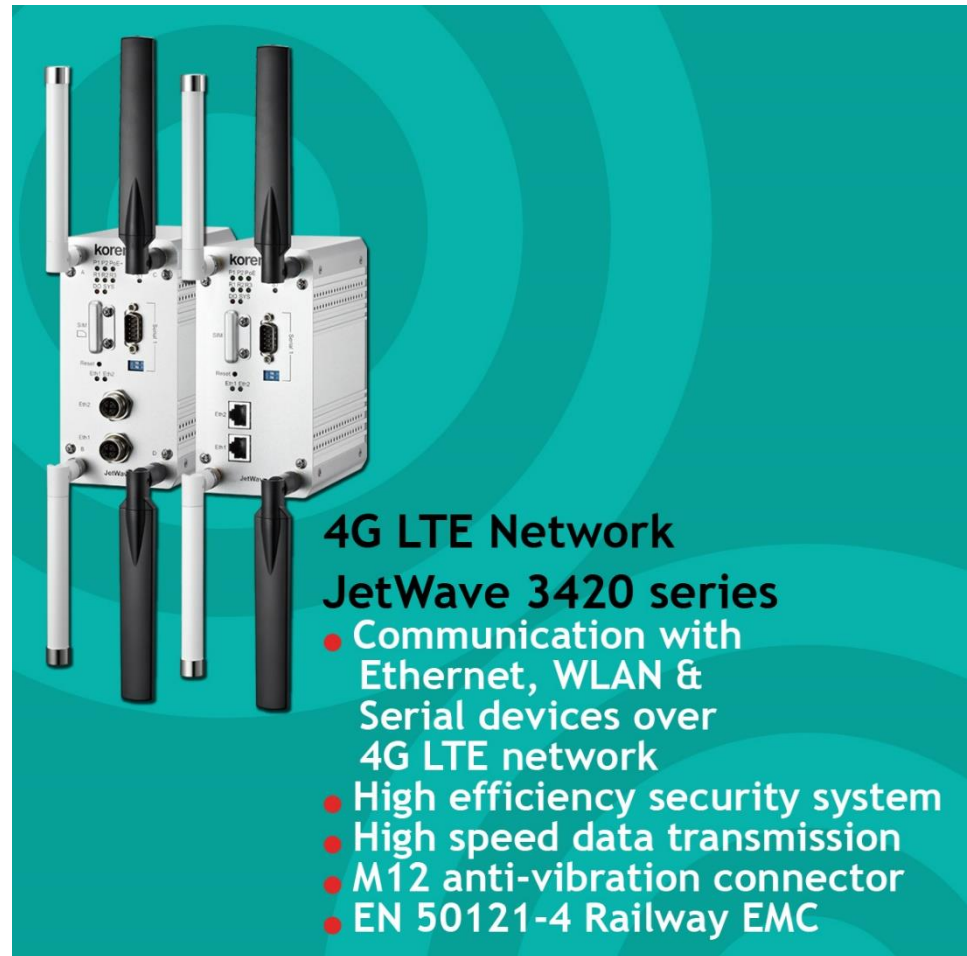
4G LTE Network
JetWave 3420 series
● **Communication with Ethernet, WLAN & Serial devices over 4G LTE network**
● **High efficiency security system**
● **High speed data transmission**
● **M12 anti-vibration connector**
● **EN 50121-4 Railway EMC**

Korenix Super Chain™ in JetNet 5310G

- Super Chain is now extended on the JetNet 5310G - Industrial 8 PoE + 2G Combo Managed High Power IEEE802.3at PoE Switch. Korenix Super Chain ™ is a highly flexible self-healing Ethernet technology for deploying multiple chains to connect with Korenix Multiple Super Ring (MSR) technology in extending a more complex or large-scale industrial network.

Super Chain

- **Flexibility / Scalability**
  - meet the large-scale network needs
- **Compatibility**
  - Users can create a new independent chain by connecting border switches and member switches
- **Easy Configuration**
 - Only need to define ports and roles of the border switches

JetWave 2310

- **JetWave 2310 series** is enclosed an industrial grade tiny device but highly secure M2M solution, with **dual SIM slot equipped for 3G/4G LTE Redundant**, it provides secure data transmission, when the primary SIM connection fails, the secondary SIM will recover to the other carrier provider. Moreover, the equipment of **2 Gigabit Ethernet ports provides seamless transmission either routing or switching.** Significantly, JetWave 2310 series supports **VPN** to provide users with secure communication tunnels when accessing a private network from the public Internet.

Korenix NMS for Cyber Security

The new feature of SNMPv3 is supported in Korenix NMS version 1.6.3 for cyber security enhancement. The new capabilities of SNMPv3 are authentication and privacy / authorization and access control in the security and administration portion of the architecture. It ensures transmission privacy is encrypted. With other functions of Korenix NMS, users are available to operate the work more efficiently, easier, and less time consumption. It is ideal solution for the applications, such as Intelligent Traffic Control Systems, Factory Automation, Power Utility systems, Oil and Gas sectors, Maritime and Military applications, and many more.
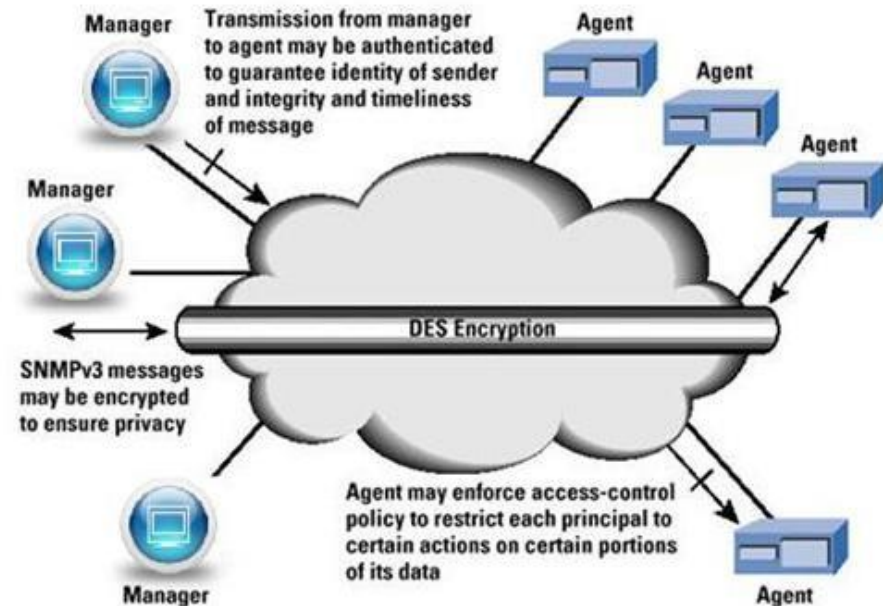
Korenix NMS SNMPv3 Security Features

JetWave3220/3320/3420 with EN50155 Railway Certification

- Korenix's JetWave 3220/3320/3420 Series with round M12 connectors are EN50155-certified and undergo environmental testing are designed specifically for vehicle and railway applications to ensure reliable performance under a variety of power supply conditions, such as voltage variations, power interruptions, and supply changeover. The JetWave 3220/3320/3420 Series can also withstand environmental disturbances, including vibration, shock, and temperature variations.

Korenix Wireless Solution

Railway

EN 50155

JetWave 3220-M12   JetWave 3320-M12   JetWave 3420-M12

JetWave 3220/3320/3420 with E-mark Certification

- JetWave 3220 / 3320 / 3420 series has successfully passed and excelled in the testing requirements for compliance with E-mark standards. The excellent performance results of the wireless AP / IP Gateway solution assures that they combine all the heavy-duty hardware and intelligent software functionalities set by the standard, and thus are eligible to be used for installation in moving vehicles across European region.

Korenix Wireless Solution

Vehicle e-mark

JetWave 3220 3320 3420 series

JetNet 7852G-4XG Major Features

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Industrial 48GTX+ 4x10G SFP+ Ports Gigabit Layer 3 Routing Server

Industrial layer 3 Managed Switch

MSR-24G+2 10G Ring, RSTP/MSTP

**L2/L3/L4 ACL LLDP / NMS**

Layer 3 Routing Redundancy

- **48 GTX, 4 1/10GbE dual speed SFP+ uplink ports**
- **Advanced Cyber Security** – DHCP Snooping, IP Source Guard, Dynamic ARP Inspection, Denial of Service (DoS) protection, L2/L3/L4 Access Control List (ACL)
- **Advanced Cyber Redundancy** – MSR, MLAG (Multi-Chassis LAG)
- **Advanced L3** – OSPFv3, BGP4, VRRP, 32-way ECMP
- **Friendly Device and Auto Network Topology utility**
- **Redundant power inputs with universal 110/220 VAC power, hot-swappable**
- **-10 to 55C operating temperature**

Beijer
ELECTRONICS

2014/9/28

Industrial-grade WLAN Controller
IWC 5630

Korenix solution

- Korenix wireless management solution

> **Central-managed wireless network**
>> **Auto discovery/provision**
> **Advanced wireless mobility**
>> **Server-based fast roaming**
> **Enhanced wireless security**
>> **Minimal secure deployment**
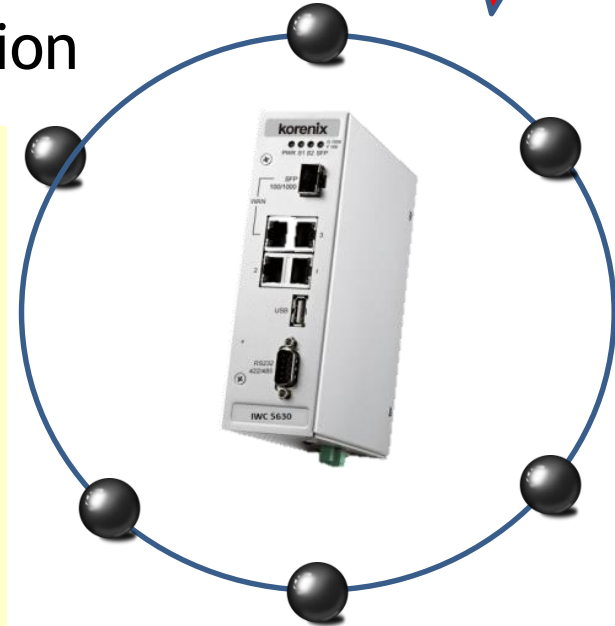
Industrial WLAN Controller, IWC 5630

Beijer
ELECTRONICS

JetNet 5428Gv2
Industrial 24FE + 4G combo L2+ Managed Switch

Industrial layer 2+ Managed Switch

MSR-12FE/2G Ring ERPS/SuperChain

EtherNet/IP Modbus/TCP korenix NMS

korenix Redundancy+ korenix Security+

- **24 100TX + 4 100/1000 RJ45/SFP combo ports (G)**
- **EEE Energy Saving**
- **USB Storage**
- **EN50121-4, NEMA TS2 Compliance**
- **Software-based IEEE 1588v2 PTP**
- **Advanced IPv6 Management**
- **MSR <10ms@250 Recovery Speed, SuperChain, ERPS**
- **Layer 2+ Software, Private VLAN, QinQ, 4k VLANs, 9K jumbo frame, 16K MAC**
- **EtherNet/IP, Modbus/TCP, korenix NMS management**
- **Fanless design, -40~75C**
- **Redundant power supply with universal 110/220 VAC, 24/48VDC**
- **JetNet 5428G-AC/-2DC models**

korenix
A Beijer Electronics Group Company

BeiJer
ELECTRONICS

JetNet 6528Gf-PTP

24GTX/8Gf+4 1GSFP L2+ full Gigabit Managed Switches

Industrial layer 2+ Managed Switch

MSR-14G Ring ERPS/SuperChain

EtherNet/IP Modbus/TCP korenix NMS

korenix Redundancy+ korenix Security+

- **24GTX + 4 1GbE SFP ports**
- **8 On Board 100/1000 RJ45/SFP combo ports**
- **EEE Energy Saving**
- **EN50121-4, IEEE1613, IEC61850-3 Compliance**
- **IEEE 1588v2 PTP with hardware time stamping for precise time synchronization of network (under 1 µs)**
- **USB FW upgrade**
- **Layer 3 Routing & Redundancy (6828Gf)**
- **Advanced IPv4/IPv6 Management/Routing (6828Gf)**
- **MSR <10ms@250** Recovery Speed
- **Layer 2+ Software, Private VLAN, QinQ, 4k VLANs, 12K jumbo frame, 16k MAC**
- **EtherNet/IP, Modbus/TCP, korenix NMS management**
- **Fanless design, -40~75C**
- **Aluminum construction (6828Gf-PTP)**
- **Redundant power supply with universal 110/220 VAC**
- **JetNet 6528Gf-AC/-2AC/-AC-DC24/-2DC24/-2DC48 models**

JetPort 5601 V3

1 port RS232/422/485 Serial Device Server

- 3-in-1 RS232/422/485 Serial Port
- Dual 10/100BaseTX Ethernet Ports
- Dual Power Inputs(Terminal Block/Power Jack)
- Max. Serial Speed: 921.6 kbps
- Secured Management by HTTPS and SSH
- JetPort Commander, Korenix Windows Utility for Device Discovery, Multiple Device Setting and Monitoring.
- Versatile Serial Modes: Real/Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Up to 5 Simultaneous Real/Virtual COM, TCP Server, TCP Client Connections
- Event Warning by Syslog, Email, SNMP trap
- Supports Windows 10/8/7/Vista/XP/2000/2003/2008
- Operating Temperature: -20~70°C