

# Korenix Sky

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## Design High Reliability Networking Devices for Industrial Ethernet Network

### Build a Reliable Ethernet Connection with enhanced Safety Protections (pass Hi-POT test):

[JetNet 2005/ 5010G/3010G/4508](#) and [JetCon 1301](#) series provide **High 1200 VAC Port to Port Isolation Protection** (Ethernet to power, Ethernet to chassis, Ethernet port to port) to protect the operator from electrical shock.

**HiPOT** is an abbreviation for **high potential**. Traditionally, HiPOT is a term given to a class of electrical safety testing instruments used to verify electrical insulation in finished appliances, cables or other wired assemblies.



Under normal conditions, any electrical device will produce a minimal amount of leakage current due to the voltages and internal capacitance present within the product. Due to design flaws or other factors, the insulation in a product can break down, resulting in excessive leakage current flow. This failure condition can cause shock or damage to anyone that comes into contact with the faulty product.

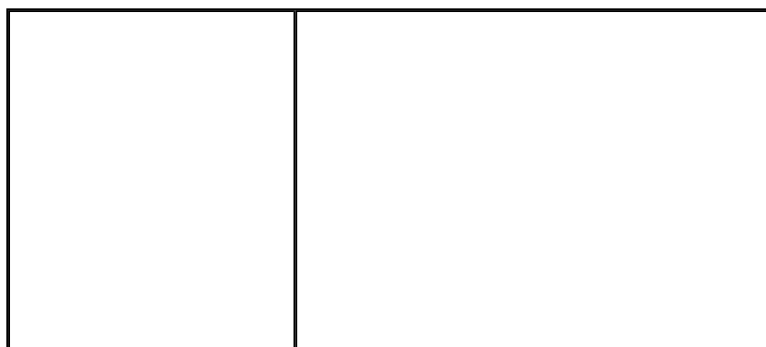
A HiPOT test (also called a Dielectric Withstand test) verifies that the insulation of a product or component (also referred to as the dielectric) is sufficient enough to protect the operator from electrical shock. [JetNet 2005/ 5010G/3010G/4508](#) and [JetCon 1301](#) series have passed the HiPOT 1200 VAC level test.

### Korenix Networking Device provides Enhanced life vibration and life shock protections

To ensure the networking devices operating in harsh environment successfully, Korenix JetNet 5010G/3010G/4508 and JetCon 1301 series have passed the following life vibration and life shock tests.

IEC 61000-2-6 life vibration

- 5~100Hz/Amplitude 1mm, 0.7g /90Min. X.Y.Z. 6 axis
- 3~50Hz/Amplitude 3.5mm,1g/90Min. X.Y.Z. 6 axis
- IEC 61000-2-27 life shock
- 50G, 11ms duration, X,Y,Z, 3 shock/axes ( Total 18 shocks)





■ ■ What's New

**Case Study of [JetNet 2005/2005f](#), [JetCon 1501](#): Platform anti-intrusion warning system in Metro System**

JetNet 2005/2005f series and [JetCon 1501](#) have been widely adapted in the "Platform anti-intrusion warning system" of Metro System. The whole anti-intrusion system has been deployed as following: firstly it uses JetNet 2005f to collect and forward the data packet of video surveillance signal combined with the infrared detection sensors control to remote control center. Secondly, it sends data to remote control center via fiber cable to connect with JetCon 1501 Ethernet Fiber converter. Thirdly, JetNet 2005 is also served as data switch for the PC system and network devices of passenger information counter.

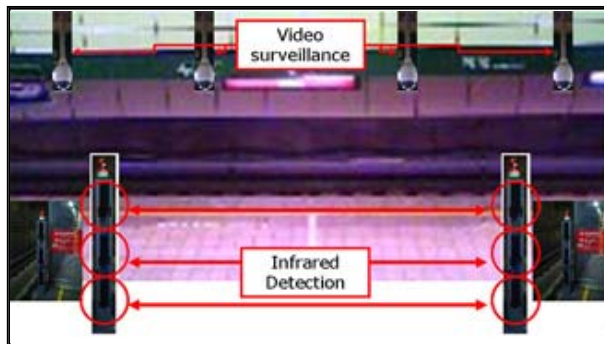


Figure-1: Video surveillance and Infrared detection system setup in platform of Metro System  
[JetNet 2005f](#) Industrial 5-port Ethernet Switch with One Fiber port



- Industrial Ethernet Switch with 4 10/100-TX Ports and one 100-FX port
- Slim-sized for small industrial networking application
- Support 10/100Base-TX Auto MDI/MDI-X and Auto Negotiation
- 18~27VAC or 18~32VDC Power Input with auto polarity protection in
- 2-pin Terminal Block
- Relay Output Alarm for port link failure
- Aluminum case with IP 30 protection
- Port to port 1500VAC isolation protectionDIN-Rail Mountable

**Special Event: Join us for 2007 Computex Taipei (June 5-9), Hall 2, E018**



We are cordially inviting you to visit Korenix booth at Hall 2, E018 in 2007 Computex Taipei (June 5-9). During the venue, we are demonstrating the high performance industrial communication computer and the most powerful industrial networking devices product lines. Featuring the powerful new products is listed as following:



**JetNet 5010G: Industrial 10-port Gigabit Managed Ethernet Switch**

- 7 10/100 Base TX and 3 Gigabit RJ-45/SFP combo, (10/100/1000 Base-TX, 100 FX, Gigabit SX/LX)
- Supports Rapid Super Ring (recovery time <30ms)
- Supports Dual Homing II, Enable RSTP and Rapid Super Ring at the same device

**JetNet 4706: Industrial 6-port Fast Ethernet Managed PoE Switch**



- 4 10/100TX with PoE injector function, 2 10/100TX ports for uplink
- Supports SNMP, RSTP, and Redundant Ethernet Rapid Super Ring
- Supports DC48V or DC 24V PoE System



**JetPort 5604/5604i: 4-port RS232/422/485 Redundant Serial Device Server**

- Four RS232/422/485 ports
- Redundant Ethernet, Auto recovery
- Secured Management and Digital I/Os



**JetBox 8210: Industrial Communication Computer**

- **High performance with low power consumption:**
  1. Intel XScale PXA270 416Mhz RISC CPU
  2. System memory 128MB, 8MB VGA
- **Plentiful interfaces:**  
Ethernet, 16 DI/DO, 4 COM, 4 USB, VGA, Audio
- **Reliable robust form factor:**
  1. 5g Anti-vibration and 50g shock resistant
  2. Operating Temperature:-15~70C,Fan less
- **Ready to use:**
  1. Embedded Linux/ Windows CE OS ready
  2. System Management Utility
  3. Application Development Environment

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