

Korenix Compass

October 2016

Beijer
ELECTRONICS

korenix
A Beijer Electronics Group Company



New Product Launch

JetNet 6728G

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JetNet 6728G-24P/16P

24GTX+4 1GSFP L2+ full Gigabit Managed IEEE802.3at PoE Switch

Robust IP40, w/o cooling holes

-40~75C Operating Temperature

POE
High Power

Aluminum Fin



L2+ Full Gigabit

Over 10 Invention Patents inside



IP Surveillance
EN50121-4

JetNet 6728G-24P/16P

24GTX+4 1GSFP L2+ full Gigabit Managed IEEE802.3at PoE Switch



USB Storage

PoE+ status
Green: af
Blue: at

LNK/ACT Speed 24 100/1000TX PoE+

4 1GSFP

Industrial full GbE PoE
Managed Switch

MSR-14G Ring
ERPS/SuperChain

EtherNet/IP
Modbus/TCP
korenix NMS

korenix Redundancy+
korenix Security+

- 24GTX + 4 1GbE SFP ports
- 24/16/8 Ports 802.3af/802.3at PoE+
- EEE Energy Saving
- EN50121-4 Compliance
- IEEE 1588v2 PTP with hardware time stamping for precise time synchronization of network (under 1 μ s)
- USB FW upgrade
- Advanced IPv4/IPv6 Management
- 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 operating temperature
- Robust IP40 construction
- Redundant power supply with universal 110/220 VAC, 55VDC
- Embedded 300W AC power
- JetNet 6728G-24P-AC-2DC/-AC models
- JetNet 6728G-16P-AC-2DC/-AC models

POE
High Power

EN50121-4/CE/FCC Certificates, Test Reports

 Interocean EMC Technology Corp. Filing No.: 16A032912E-E

Verification of Conformity

Applicant: Korenix Technology Co., Ltd.
14F, No.213, Sec. 3, Beixin Rd., Xindian Dist.,
New Taipei City 23143, Taiwan (R.O.C.)

Product: Switching Hub

Model No.: JetNet 6728G-24P-AC-2DC; JetNet 6728G-16P-AC-2DC;
JetNet 6728G-24P-AC; JetNet 6728G-16P-AC;
JetNet 5728G-24P-AC-2DC; JetNet 5728G-16P-AC-2DC;
JetNet 5728G-24P-AC; JetNet 5728G-16P-AC

On the basis of the tests undertaken, the sample(s) of the above product have been found to comply with harmonized standards listed below at the time the tests were carried out. The verification of conformity is only valid in connection with test report: 16A032912E-E

Harmonized Standards
EN 61000-6-2: 2005+AC: 2005 / IEC 61000-6-2: 2005
EN 61000-6-4: 2007+A1: 2011 / IEC 61000-6-4: 2006+A1: 2010

Issued By:  Date: Sep. 29, 2016
Mike Huang / President



 Interocean EMC Technology Corp. Filing No.: 16A032912E-F

Verification of Conformity

Applicant: Korenix Technology Co., Ltd.
14F, No.213, Sec. 3, Beixin Rd., Xindian Dist.,
New Taipei City 23143, Taiwan (R.O.C.)

Product: Switching Hub

Model No.: JetNet 6728G-24P-AC-2DC; JetNet 6728G-16P-AC-2DC;
JetNet 6728G-24P-AC; JetNet 6728G-16P-AC;
JetNet 5728G-24P-AC-2DC; JetNet 5728G-16P-AC-2DC;
JetNet 5728G-24P-AC; JetNet 5728G-16P-AC


On the basis of the tests undertaken, the sample(s) of the above product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Relevant Standard(s) / Specification(s)
47 CFR FCC Part 15 Subpart B (Class A)
ANSI C63.4: 2014

Note: Those work performed by the laboratory issuing this document is covered in the scope of accreditation by FCC (Designation No.: TW1020)

Issued By:  Date: Sep. 29, 2016
Mike Huang / President



 Interocean EMC Technology Corp. Filing No.: 16A032912E-C

Verification of Conformity


Applicant: Korenix Technology Co., Ltd.
14F, No.213, Sec. 3, Beixin Rd., Xindian Dist.,
New Taipei City 23143, Taiwan (R.O.C.)

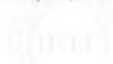
Product: Switching Hub

Model No.: JetNet 6728G-24P-AC-2DC; JetNet 6728G-16P-AC-2DC;
JetNet 6728G-24P-AC; JetNet 6728G-16P-AC;
JetNet 5728G-24P-AC-2DC; JetNet 5728G-16P-AC-2DC;
JetNet 5728G-24P-AC; JetNet 5728G-16P-AC

On the basis of the tests undertaken, the sample(s) of the above product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Relevant Standard(s) / Specification(s)
EN 50121-1: 2015
EN 50121-4: 2015

Issued By:  Date: Sep. 29, 2016
Mike Huang / President

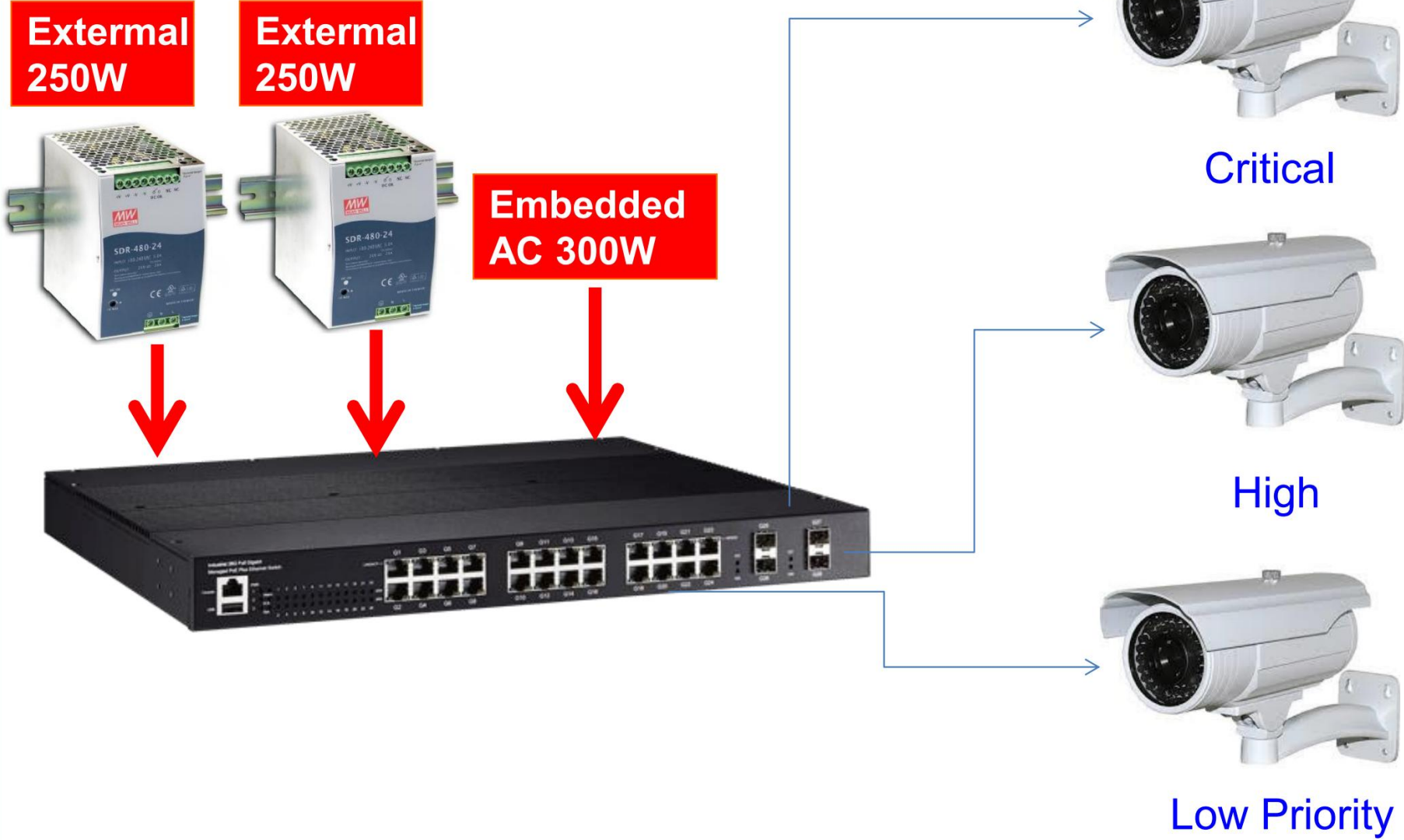


Total PoE Budget



	JetNet 6728G	JetNet 5728G
Operating Temperature	-40-75C	-25-65C
AC Power	300W(-40-60C) 230W(75C)	240W(50C)
DC Power	720W(-40-75C)	540W(65C)

Power Redundancy/PoE Priority





New Product Launch

JetNet 6828Gf

Beijer
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JetNet 6828Gf-PTP

24GTX/8Gf+4 1GSFP L3 full Gigabit Managed Switches

Robust IP40, w/o cooling holes

-40~85C Operating Temperature

Aluminum Fin



L3 Full Gigabit

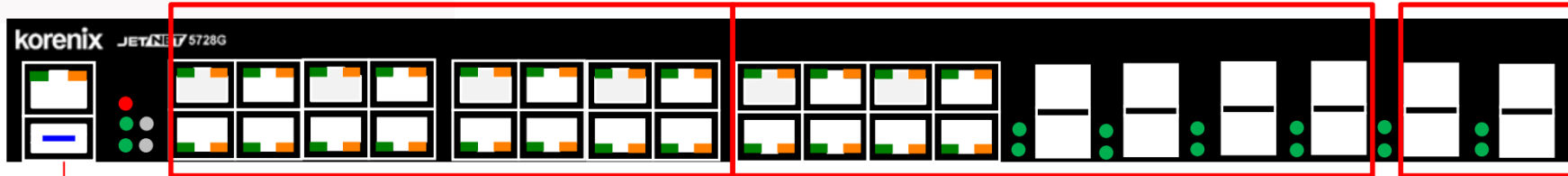
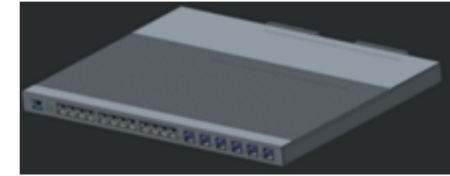


**Substation
IEEE IEC61850-3/IEEE1613**

Over 10 Invention Patents inside

JetNet 6828Gf-PTP

24GTX/8Gf+4 1GSFP L3 full Gigabit Managed Switches



USB FW upgrade

16 100/1000 RJ45

8 100/1000 RJ45/SFP combo

4 1GSFP

Industrial layer 3
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 μ s)
- USB FW upgrade
- Layer 3 Routing & Redundancy
- Advanced IPv4/IPv6 Management/Routing
- 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, -40~85C, Robust IP40 construction
- Aluminum construction
- Redundant power supply with universal 110/220 VAC
- JetNet 6828Gf-AC/-2AC/-AC-DC24/-2DC24/-2DC48 models

IEEE IEC61850-3/IEEE1613/CE/FCC Certificates, Test Reports

Report No.: 15A05041E-C1 Page 1 of 118

Test Report

IEC 61850-3: 2013
IEC/TS 61000-6-S: 2001
(EMC, Climate and Mechanical Conditions Test)

Product : Industrial Ethernet Switch
Trade Name : Korenix
Model Number : JwNet 6528GT

Prepared for
Korenix Technology Co., Ltd.
2F, No.188, Baociao RD., Sindian Dist., New Taipei City 23145,
Taiwan (R.O.C.)

Prepared by
InterOcean EMC Technology Corp.
No. 5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City,
Taiwan 244, R.O.C.
TEL.: +886 2 2600 6961
FAX.: +886 2 2600 6959

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InterOcean EMC Technology Corp. Test Report

Report No.: 15A05041E-C2 Page 1 of 81

Test Report

IEEE 1613: 2009
(EMC, Control Power Inputs, Insulation Test and Environmental Conditions)

Product : Industrial Ethernet Switch
Trade Name : Korenix
Model Number : JwNet 6528GT

Prepared for
Korenix Technology Co., Ltd.
2F, No.188, Baociao RD., Sindian Dist., New Taipei City 23145,
Taiwan (R.O.C.)


Prepared by
InterOcean EMC Technology Corp.
No. 5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City,
Taiwan 244, R.O.C.
TEL.: +886 2 2600 6961
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InterOcean EMC Technology Corp. Test Report

Report No.: 15A05041E-C Page 1 of 80

Test Report



(Declaration of Conformity)

for
Electromagnetic Compatibility
of

Product : Industrial Ethernet Switch
Trade Name : Korenix
Model Number : JwNet 6528GT

Prepared for
Korenix Technology Co., Ltd.
2F, No.188, Baociao RD., Sindian Dist., New Taipei City 23145,
Taiwan (R.O.C.)

Prepared by
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No. 5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City,
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InterOcean EMC Technology Corp. CE Test Report

Report No.: 15A05041E-F Page 1 of 30



Test Report

FCC Part 15 Subpart B
for
Electromagnetic Interference
of

Product : Industrial Ethernet Switch
Trade Name : Korenix
Model Number : JwNet 6528GT

Prepared for
Korenix Technology Co., Ltd.
2F, No.188, Baociao RD., Sindian Dist., New Taipei City 23145,
Taiwan (R.O.C.)

Prepared by
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No. 5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City,
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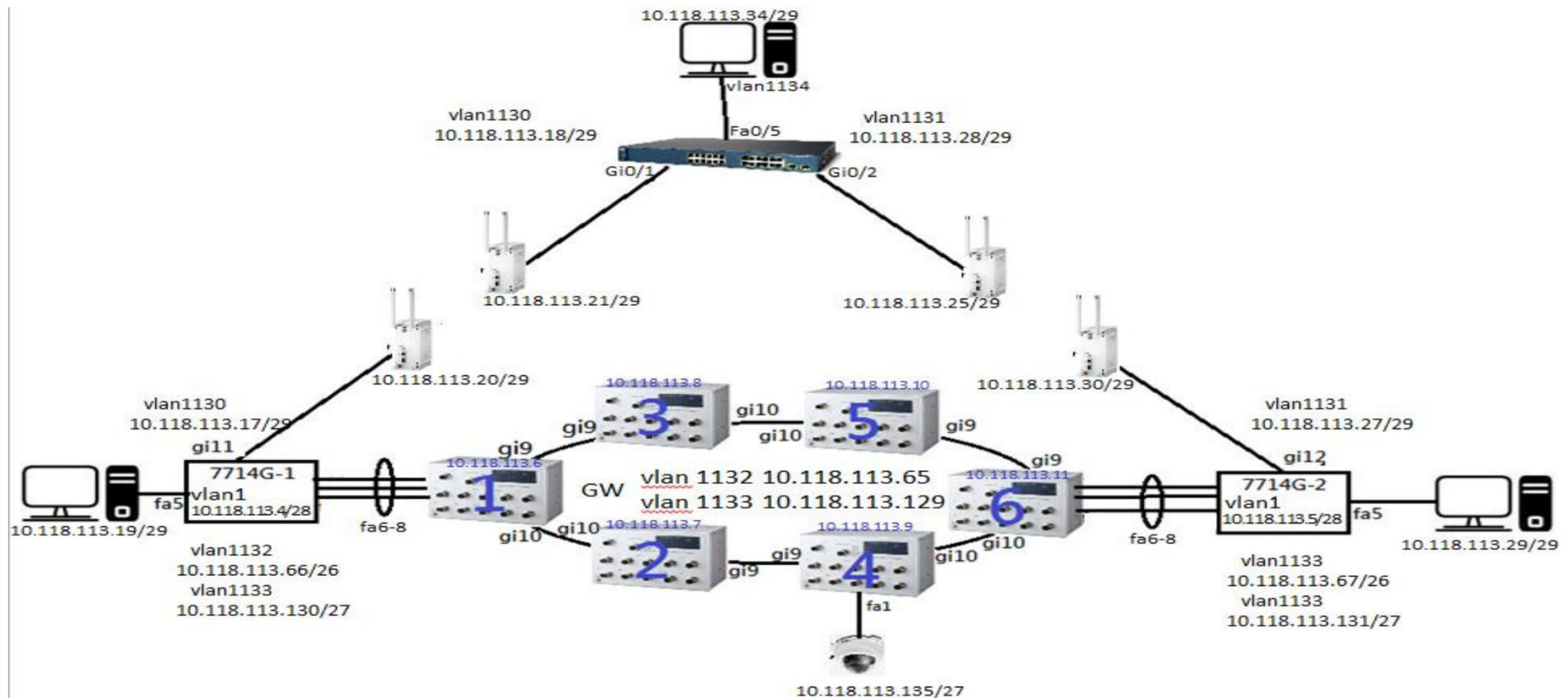


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InterOcean EMC Technology Corp. FCC Test Report

Case Study: 2016 Railway Projects in China

- korenix L3 Unicast Routing Technology (OSPFv2)
- korenix L3 Redundancy Technology (VRRPv2)
- korenix L3 Multicast Routing Technology
- korenix MSR + Trunking Technology

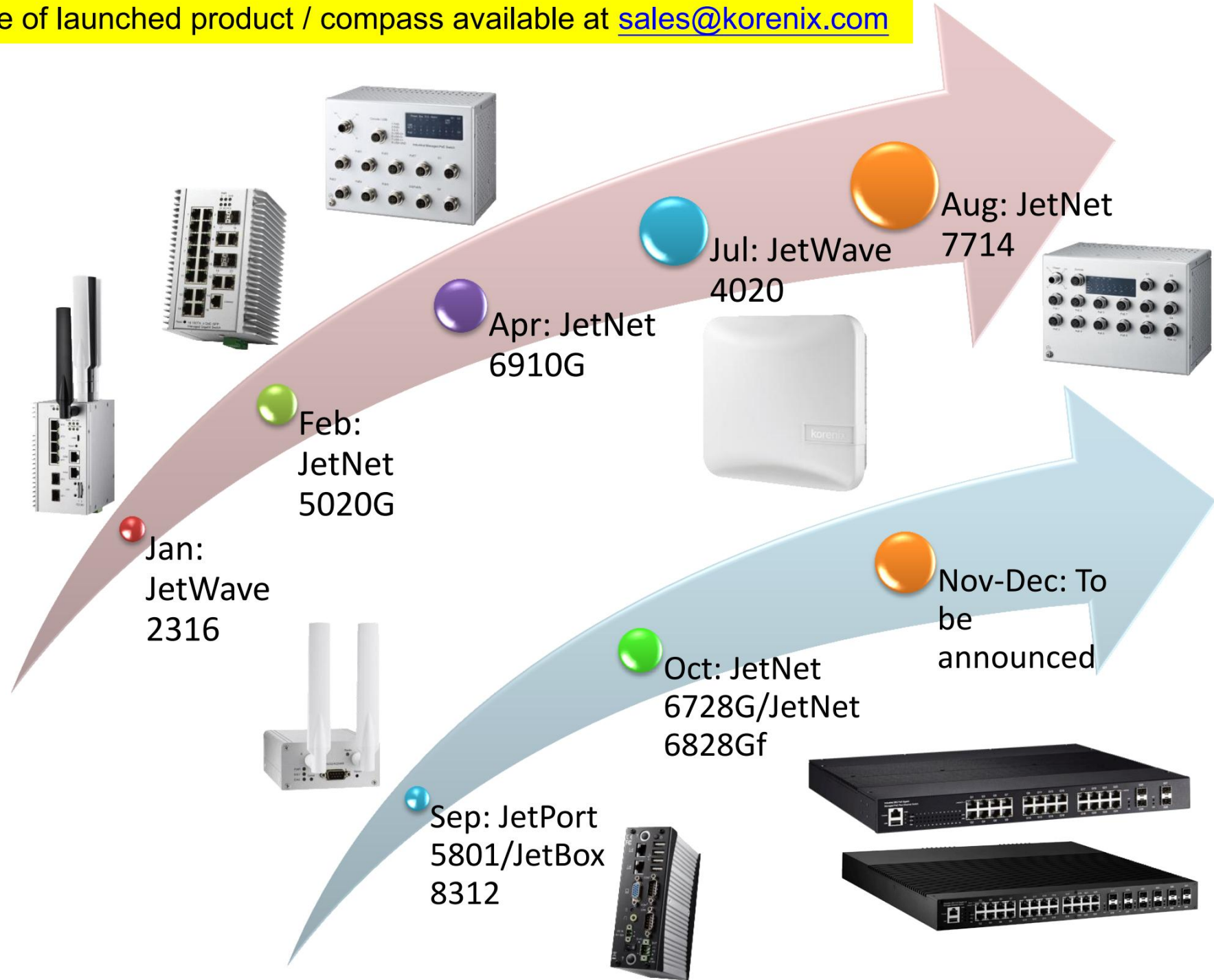


An Innovative Year 2016

Month	Product Launched	Description	Month	Product Launched	Description
Jan	JetWave 2316-LTE	Cellular+WIFI+Gigabit Switch IP Gateway	July	JetWave 4020/E	Dual Band Dual Radio 802.11ac Wireless AP
Feb	JetNet 5020G	Gigabit Managed Switch	Aug	JetNet 7714-M12	Managed L3 Routing Switch
Mar	--		Sep	JetPort 5801 v3	Wireless Serial Device Server
				JetBox 8312	Communication Computer
Apr	JetNet 6910G-M12	Managed High Power PoE Switch	Oct	JetNet 6728G	PoE Plus Ethernet Switch
				JetNet 6828Gf	L3 Full Gigabit Managed Ethernet Switch
May	--		Nov	To be announced.	
June			Dec		


Above products were launched at [Korenix monthly Sales con call](#), should you have further interests, please [contact regional sales to get the con call pdf file / compass](#).

pdf file of launched product / compass available at sales@korenix.com



New

Rack Type Switch Solution-Q4

Type	Model		Description
Layer 2 Rackmount PoE Switch	<u>JetNet 6728G</u> 	-24P -16P	➤ 24 100/1000Base-TX with 24/16 PoE Plus ports, 4 Gigabit SFP ports
Layer 3 Rackmount Switch	<u>JetNet 6828Gf</u> 	-AC -2AC -ACDC24 -2DC24 -2DC48	<ul style="list-style-type: none"> ➤ 24 GTX (8 G RJ-45/SFP combo)+ 4 G SFP ➤ L3 Managed Ethernet Switch ➤ 40~75°C operating temperature ➤ IEC61850, EN50121-4
Layer 2 Rackmount switch	<u>JetNet 6528Gf</u>		<ul style="list-style-type: none"> ➤ 24 GTX (8 G RJ-45/SFP combo)+ 4 G SFP ➤ L2 Managed Ethernet Switch ➤ 40~75°C operating temperature ➤ IEC61850, EN50121-4

Hot

Korenix Year End Sale

30% off normal price for 1 pcs, 40% off normal price for 2+ pcs

Industrial embedded PC

JetBox 5300-w	Embedded 2 LAN & 4 serial Linux computer
JetBox 8100d-CP-512	Industrial compact X86 communication computer with 512MB SDRAM
JetBox 8152	Industrial communication computer with CANbus
JetBox 8180	Industrial communication computer with Gbe& DVI
JetBox 8193	Industrial communication computer with 2Gbe & PCI
JetBox 8194	Industrial communication computer with 2Gbe & 4 LAN
JetBox 9310 V1.1	Embedded PoE networking computer
JetBox 9460-w	Embedded 4 port VPN routing computer, with mini PCIe& SIM slot
JetBox 9532	Embedded 4 serial & 4 PoE VPN routing computer



Hot

Korenix Year End Sale

30% off normal price for 1pcs, 40% off normal price for 2+pcs

JetRock Series

<u>JetNet 2006-RJ</u>	Industrial 6-Port RJ45 Ethernet Switch
<u>JetNet 3006-M12</u>	Industrial 6-Port Redundant Ring M12/IP68 Ethernet Switch
<u>JetNet 3706-RJ</u>	Industrial 6-Port Unmanaged RJ45/IP67 PoE Switch
<u>JetNet 4006f-mw V2.1</u>	Industrial 6-port Web-Managed Ethernet Rail-Switch w/two 100Base-FX, Multi-Mode



M12



IP67

Hot

Korenix Year End Sale

30% off normal price for 1pcs, 40% off normal price for 2+pcs

Converter

<u>JetCon2101i V1.1</u>	Industrial RS-232 to RS-422/485 Isolated Rail-Converter
JetCon2101ir V1.1	Industrial RS-422/485 isolated Rail-Repeater
JetCon3301L-US	1000Base-T to 1000Base-SX Media Converter LC connector Multi-mode 100-240V US Adapter w/DinRail

Serial Device Server

JetPort 5601f-m-US V1.2	Industrial 1-port RS232/422/485 Device Server, one Multi-Mode100Base-FX port,100-240V US PowerAdapter
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Hot

Korenix Year End Sale

30% off normal price for 1pcs, 40% off normal price for 2+pcs

Wireless	
JetWave 2820-H-HR	Dual RF 802.11a/b/g/n Wireless Outdoor Hops AP/Bridge/client, High Radio Power
JetWave2820-H	Dual RF 802.11a/b/g/n Wireless Outdoor Hops AP/Bridge/client
JetWave 2820-M-HR	Dual RF 802.11a/b/g/n Wireless Outdoor Mesh AP/Bridge/client, High Radio Power
JetWave 2830-M-HR	Triple RF 802.11a/b/g/n Wireless Outdoor Mesh AP/Bridge/clientt, High Radio Power
JetWave 2410-EU	IEEE 802.11g Wireless Outdoor Access Point with internal antenna,100-240V EU plug
JetWave 2410N	IEEE 802.11g Wireless Outdoor Access Point with external antenna,100-240V US plug
JetWave 2410N-EU	IEEE 802.11g Wireless Outdoor Access Point with external antenna,100-240V EU plug
JetWave 2420S-EU	IEEE 802.11g Wireless Outdoor PoE Access Point/ Bridge with N-Type antenna socket, 100-240V EU Plug
JetWave 2510-AU	IEEE 802.11a/b/g Wireless Outdoor Access Point, 110-240V AU plug

OUTDOOR SOLUTION



IP67



EN50121-4



-40-70°C

Hot

Korenix Year End Sale

30% off normal price for 1pcs, 40% off normal price for 2+pcs

PCI / UPCI card	
JetCard 2154G	4 GbE Switch PCI-104 Card
JetCard 1204e	4-Port RS-232 PCI Express Card, -30~75°C
JetCard 1208e	8-Port RS-232 PCI Express Card, -30~75°C
JetCard 1402e	2-Port RS-422/485 PCI Express Card, -30~75°C
JetCard 1402ie	2-Port RS-422/485 Isolated PCI Express Card, -30~75°C
JetCard 1404i	4-port RS-422/486 Isolated Universal PCI Card
JetCard 1404	4-port RS-422/485 Universal PCI Card
JetCard 1608	8-port RS-232/422/485 PCI-104 Card
JetCard 5010G-p V1.1	8+2GF Gigabit Embedded Managed Switch Board



Постачання, технічна підтримка промислового комунікаційного обладнання Korenix
www.korenix.com.ua

ТОВ «СОЛІТОН», Київ
Тел: 044 503-0920
Email: soliton@soliton.com.ua
www.soliton.com.ua

SOLITON
control systems