

Product Catalogue

High-speed and Reliability Communication Networks

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Professional Network Solution Provider

Founded in 1998, Connection Technology System Inc. (CTS) consists of a group of design, technical, and marketing professionals with diverse backgrounds in the communication field and focuses on the professional FTTX and Industrial networking solutions to telcos, network operators, and broadband service providers all over the world. In 2017, with the advantages and experiences accumulated from FTTX markets, CTS launched SiMPNiC* to dedicate to the most cutting-edge IoT integrated solutions to meet the trend of smart living.





FTTX, Industrial Network Solutions

IoT Integrated Solutions

(*www.simpnic.cor



In close cooperation with our partners, CTS has achieved:

Over 1,4 Million FTTH Last Mile Deployments

Over **750,000** Fiber Ethernet Connectivity Deployments

Over 100,000 FTTB Access-Side Deployments

With in-house design capability and over 20 years of FTTX domain knowledge, CTS has been a reliable partner who always acts proactively to understand customers needs in order to provide the most innovative and valuable solution. While our business is growing in different parts of the world, CTS established local branches in Sweden, USA, Japan and Austria since 2010 to provide fast and efficient response as well as to form a deeper understand and closer relationship with regional markets.

Throughout the past two decades, CTS has seamlessly teamed up with our customers and delivered a wide range of professional fiber connectivity solutions. We will continue to keep our customer in mind and think steps-ahead to develop flexible, high-quality and efficient solutions that create the most value to our customers around the world.



Why CTS



The Spirit of Pursuing Excellence

For CTS, our achievement is defined by each successful story our customers have experienced. Until this day, with 20 years experiences in the field, CTS' innovative spirit and passion still driving the company to pursue excellence. Through continuously interact with the clients and the markets, CTS has insisted on keeping "Differentiation and Glocalization" which has make us one of the leading solution providers for telecom companies, network operators, and broadband service providers all over the world.

Networking Consultant

- With more than 20 years of FTTX experiences, our "Smart-consult Team" combines the best of CTS members who work closely with customers.
- Local professional team in CTS branches offers quick and regional-specific assist and allows us to response value-added information and can think steps ahead.

In-house Designer

- With the ability to design and manufacture by ourselves, CTS continuously pursues to optimize the solution for better fiber connectivity deployment and future applications.
- Conscientiously research on the market in order to create innovative differentiations to fulfill the ever-growing expectation from the customers worldwide.



Trustworthy Partner

- CTS is not just a vender but partner to our client because we always keep our customer's goal in mind to develop the most fitted solution.
- 0.07% DOA rate is a result of CTS' high-standard quality control program that demonstrate throughout the design, manufacturing, customer service process.

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Largest Ski Resort in Austria Adopts CTS Industrial and Fiber Switch for Ski Lift Network



Skiwelt in Ellmau, Tyrol is the largest and state of the art ski resort in Austria which has 284km of ski runs in Austrian Alps. In order to enhance safety and to provide better service, the resort planned to invest to update its communication infrastructure into fiber in order to overcome longer distances. The City of Ellmau and Skiwelt also developed an application with regional information such as events, special offerings, local weather, and entertainment. Hopefully tourists can access to real-time information anytime anywhere in the resort. Skiwelt needed a solution reliable provider who can help with fulfill this plan...





IPS-3110

8-Port Gigabit 802.3at PoE + 2-Port Gigabit Combo Industrial Managed Switch



IPS-3106-SE-PB

4-Port Gigabit 802.3at PoE + 2-Port Gigabit SFP Industrial Managed Switch



FOS-3128

28-Port Managed Fiber Access Switch



We need products that work stable at 50 degrees Celsius as well as in -25 degrees Celsius and CTS has proven that their products are reliable and persistent even in harsh environment like in the Austrian Alps



Johannes Winkler, Operations Manager, Skiwelt





Networking Consultant

CTS' regional technical support can quickly identified and resolved the issues.

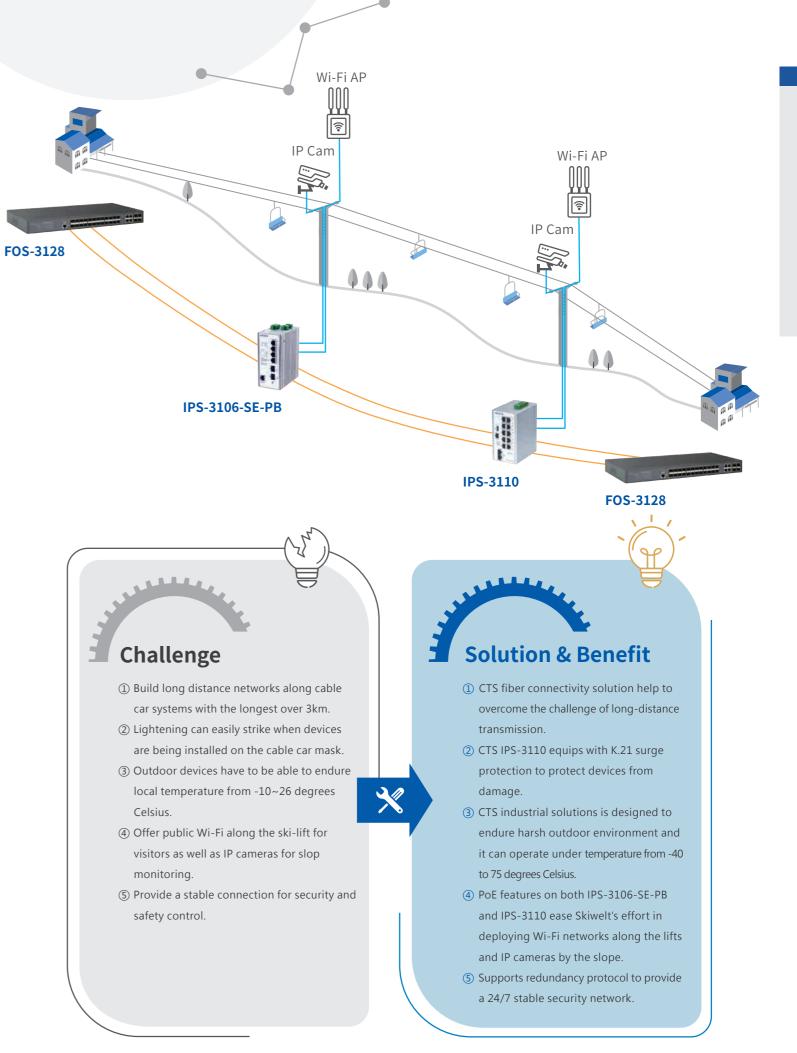


High quality and stability over several years in extremely harsh weather conditions.



In-house Designer

Reliable and robust network helps Skiwelt to provide the best experience for their visitors.



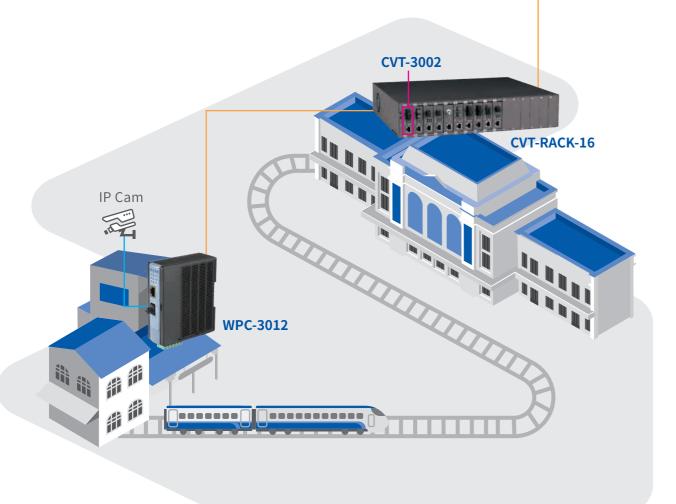
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Railway Station in Saudi Built the **Surveillance System with CTS Lite-industrial Solution**



The Haramain high-speed railway is an inter-city high-speed rail transport system linking 5 stations in Saudi Arabia. The railway system is expected to transport over 100,000 passengers per day. In order to keep these modern designed stations secure and organized for travelers, a robust surveillance system is crucial for its daily operation. However, a durable solution is needed to withstand Saudi's harsh natural environment.







Challenge

- ① Temperature can rise up to 55 degrees Celsius and drop to 8 degrees Celsius in one day.
- ② Traditional RJ-45 copper is not able to transmit for over 100m thus increase the complexity to cover each station's range.
- (3) PoE IP cameras are used in these stations to reduce wiring complexity.
- (4) These stations need 24/7 non-stop monitoring.



Solution & Benefit

- ① CTS WPC-3012 lite-industrial media converter works reliably and stably from -20 degrees Celsius to 60 degrees Celsius.
- (2) The transmission distance can be extended from 2km to 120km over fiber.
- (3) WPC-3012 supports 802.3at/af PoE/PSE for up to 30W power to PoE enabled devices temperature from -40 to 75 degrees Celsius.
- 4 Link Alarm feature enables administrator to monitor the fiber link status in visually and intuitively mechanism and power redundancy.







WPC-3012

1-Port Gigabit 802.3at PoE to 1-Port Gigabit SFP slot **Industrial Media Converter**



Networking Consultant

Carefully evaluate the customer's situation and recommend the best options.



Trustworthy Partner

CTS act swiftly and efficiently upon customer's requests.



In-house Designer

Robust design that ensure the device can run smoothly under harsh conditions.





Providing Robust, Reliable & Flexible Solution for Industrial Environment

The CTS Industrial Ethernet Switch series is enclosed in IP30 case which can endure wide-ranging operating temperature from -40 to 75 degrees Celsius. All CTS Industrial Ethernet Switches support DIN-rail mounts which allows efficient use of cabinet space. CTS also provide redundant supply system to enable a more secure, stable and sustainable connection. The industrial PoE Ethernet Switch series support IEEE 802.3af/at or 60W PoE power output that is able to supply power to PoE compliant devices which greatly reduce wiring complexity and save trouble to search for extra power outlets.

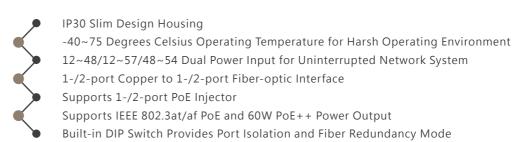
IP30 Design Housing
-40~75 degrees Celsius Operating Temperature Range for Harsh Operating Environment
9.6~55/12~54/24~54/44~55/48~54VDC Dual Power Input for Uninterrupted Network System
Industrial PoE Switch Series Support IEEE 802.3at/af PoE and 60W PoE++ Power Output
IEEE 802.1q Tagged VLAN and Q-in-Q
IGMP Snooping v1, v2 and v3
IEEE 802.1p QoS, ToS and DSCP
IEEE 802.3ad Link Aggregation and Static Trunk
STP, RSTP and Fast Ring v2



Robust, Reliable & Extendable Solution to Reach Copper Devices Effortlessly



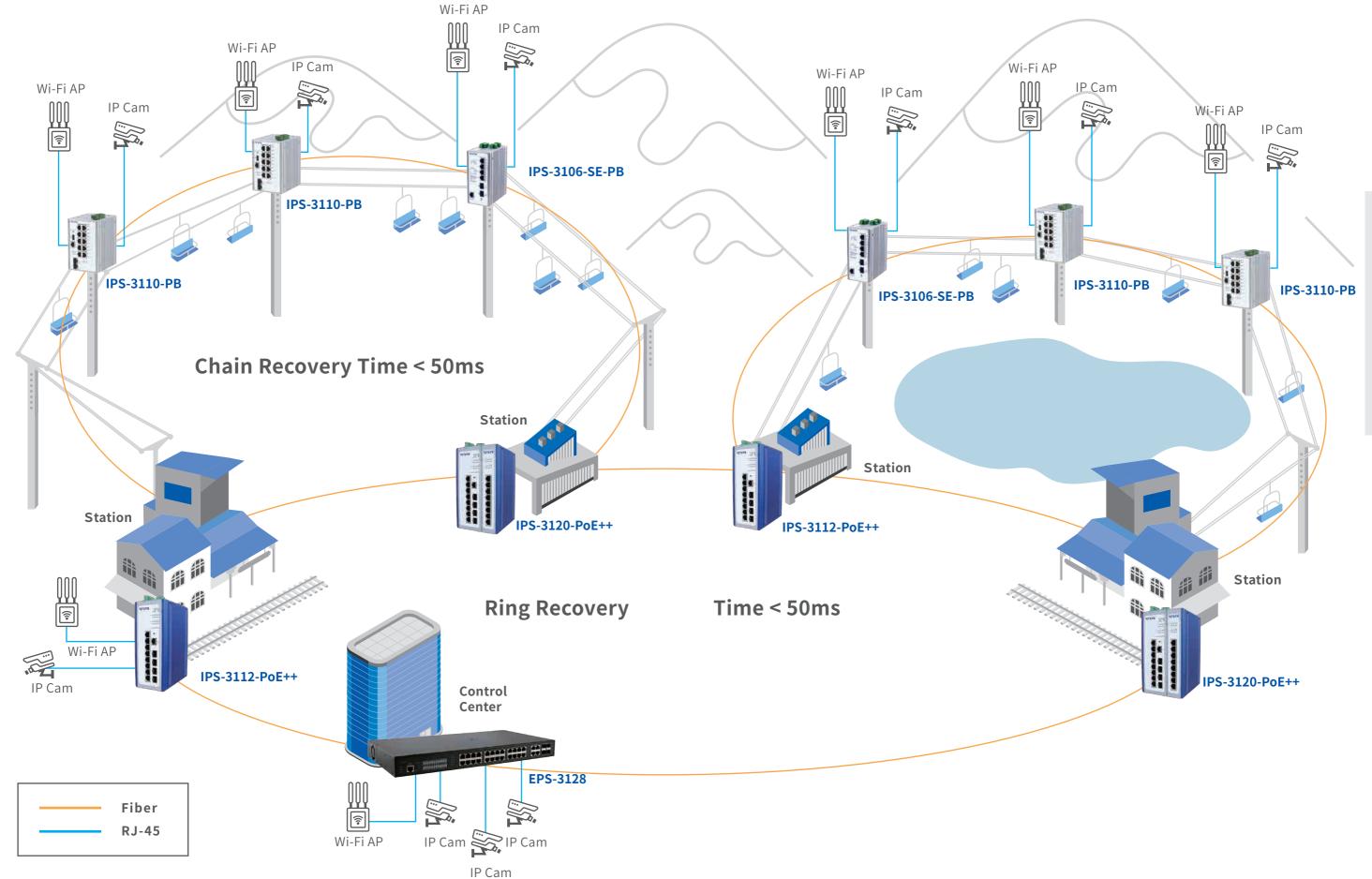
CTS Industrial Media Converters in a robust IP30 housing are designed to meet the demands of industrial network for plug-and-play usage. Industrial Media Converters can extend your Ethernet network beyond 100-meter limitation and convert fiber links from multi-mode to single-mode or vice versa. The wiring distance of CTS Industrial Media Converters can extend from 2 to 120km and data transmission distance is up to 120km.





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Application of Industrial Networking Solutions



Industrial 60W PoE++ Managed Switch				
Model Name	IPS-3120-PoE++	IPS-3112-PoE++	IPS-3108-EXP*	

Product Image











(PoE+)	
(A 4070)	

		Ring	(Ring)	
	10/100/1000Base-T	16	8	8
	10/100Base-TX	-	-	-
	1000Base-X	4	4	-
	100Base-FX	Compatible	Compatible	-
	RS-232 Console Port (RJ-45)	1	1	-
	Digital Input/Output	1 x DI +	1 x DO	-
	PoE	8 x 60W PoE++ + 8 x 802.3af/at PoE+	8 x 60W PoE++	8 x 802.3af/at PoE+
	PoE Budget (Max.)	720W	480W	-
Hardware	Power Connector	Termina	I Block	-
	Power Source	48~55VDC	Dual Input	-
	Power Consumption	740W	495W	-
	Dimension W x D x H	115 x 135 x 200mm	80 x 135 x 200mm	35 x 135 x 200mm
	Operating Temperature (Humidity)		-40~75°C (5~90%)	
	MAC Address Table	81	(-
	Non-blocking Switching Fabric	40Gbps	24Gbps	16Gbps
	Memory Buffer	4.1M E	Bytes	-
	Jumbo Frame	10K B	lytes	-
	IPv6		-	
	QoS	802.1p, To	DS/DSCP	-
	QoS Priority Queue	8		-
	Bandwidth Control		-	
	Broadcast Storm Control		-	
Traffic	IPTV Multicast	IGMP Snoop	ing v1/v2/v3	
Management	Network Redundancy	CTS Fast STP/F		-
	LACP	•		-
	VLAN	802.1q, Q-in-Q, Port Based		-
	VLAN ID	4094		-
	VLAN Group	2K		-
	SSHv2			-
Security &	DHCP Option 82			
Authentication	Authentication	RADIUS, TACAC	S+, 802.1x MAB	-
	ACL (Access Control List)	•		-
	Management	Telnet, CLI, WEB,	SNMP v1/v2c/v3	-
	Port Mirroring			
Network	SNMP Power Down Trap		-	
Management & Maintenance	DHCP	Clie	nt	-
	SNTP	•		-
	Firmware/Configuration Upgrade	FTP/TFT	P/HTTP	-
	EMC/Safety		FCC Class A, CE	
Certifications	Stability	IEC 60068-2-27 (Sh	nock), IEC 60068-2-32 (Freefall), IEC 60	068-2-6 (Vibration)
	Surge		ITU-T K.21 Enhanced Level 6KV	

^{*} IPS-3108-EXP is expansion module for IPS-3112-PoE++

Industrial 802.3at PoE+ Managed Switch			
Model Name	IPS-3110	IPS-3110-PB	IPS-3106-SE-PB

Product Image











		Ring			
	10/100/1000Base-T	10	10	4	
	10/100Base-TX	-	-	-	
	1000Base-X	2 (COMBO)	2 (COMBO)	2	
	100Base-FX	Compatible	Compatible	Compatible	
	RS-232 Console Port (RJ-45)	1	1	1	
	Digital Input/Output	1 x	DO	1 x DI + 1 x DO	
	PoE	8 x 802.3a	f/at PoE+	4 x 802.3af/at PoE+	
	PoE Budget (Max.)	240	W	120W	
Hardware	Power Connector		Terminal Block		
	Power Source	48~54VDC Dual Input	24~54VDC	Dual Input	
	Power Consumption	255	sW .	135W	
	Dimension W x D x H	73 x 110 x 135mm	88 x 110 x 135mm	63 x 110 x 135mm	
	Operating Temperature (Humidity)		-40~75°C (5~90%)		
	MAC Address Table	16	K	8K	
	Non-blocking Switching Fabric	20G	bps	12Gbps	
	Memory Buffer	256K	Bytes	4.1M Bytes	
	Jumbo Frame	9K B	ytes	10K Bytes	
	IPv6	-			
	QoS		802.1p, ToS/DSCP		
	QoS Priority Queue		8		
	Bandwidth Control		•		
	Broadcast Storm Control		•		
Traffic Management	IPTV Multicast	IGMP Snooping v1/v2 IGMP Snooping v1/v2/v3 MLD Snooping v1/v2			
Ü	Network Redundancy	CTS Fast Ring v2** STP/RSTP			
	LACP	•			
	VLAN	802.1q, Q-in-Q, Port Based			
	VLAN ID	4094			
	VLAN Group		128		
	SSHv2		•		
Security &	DHCP Option 82	-		•	
Authentication	Authentication	RADIUS	, 802.1x	RADIUS, TACACS+, 802.1x MAB	
	ACL (Access Control List)		•		
	Management		Telnet, CLI, WEB, SNMP v1/v2c/v3		
-		•			
	Port Mirroring		•		
	Port Mirroring SNMP Power Down Trap		•		
Management	_		Client, Auto Provisioning, Snooping		
Management	SNMP Power Down Trap		-		
Management	SNMP Power Down Trap DHCP	FTP/TFTP/HTTP	Client, Auto Provisioning, Snooping	FTP/TFTP/HTTP	
Management	SNMP Power Down Trap DHCP SNTP	FTP/TFTP/HTTP	Client, Auto Provisioning, Snooping	FTP/TFTP/HTTP	
Network Management & Maintenance Certifications	SNMP Power Down Trap DHCP SNTP Firmware/Configuration Upgrade		Client, Auto Provisioning, Snooping		

^{**} CTS Fast Ring v2 includes Ring and Chain Protocol

^{**} CTS Fast Ring v2 includes Ring and Chain Protocol

	Industrial Ethernet Managed Switch	
Model Name	IES-3110	IES-3106

Product Image





		Fast				
	10/100/1000Base-T	10	4			
	10/100Base-TX	-	-			
	1000Base-X	2 (COMBO)	2			
	100Base-FX	Compatible	Compatible			
	RS-232 Console Port (RJ-45)	1	1			
	Digital Input/Output	1 x DO	2 x DI + 2 x DO			
	PoE	-				
	PoE Budget (Max.)	-				
Hardware	Power Connector	Termina	al Block			
	Power Source	9.6~55VDC Dual Input	12~54VDC Dual Input			
	Power Consumption	15W	5.1W			
	Dimension W x D x H	73 x 110 x 135mm	83 x 110 x 125mm			
	Operating Temperature (Humidity)	-40~75°C	c (5~90%)			
	MAC Address Table	16K	2K			
	Non-blocking Switching Fabric	20Gbps	12Gbps			
	Memory Buffer	256K Bytes	128K Bytes			
	Jumbo Frame	9K B	lytes			
	IPv6	-				
_	QoS	802.1p, To	oS/DSCP			
	QoS Priority Queue	8	4			
	Bandwidth Control	•				
	Broadcast Storm Control	•				
Traffic Management	IPTV Multicast	IGMP Snooping v1/v2				
	Network Redundancy	CTS Fast Ring, STP/RSTP				
	LACP	•				
	VLAN	802.1q, Q-in-Q, Port Based				
	VLAN ID	4094				
	VLAN Group	12	28			
	SSHv2	•	•			
Security &	DHCP Option 82	-				
Authentication	Authentication	RADIUS	, 802.1x			
	ACL (Access Control List)	•				
	Management	Telnet, CLI, WEB, SNMP v1/v2c/v3	Telnet, CLI, WEB, SNMP v1/v2c			
	Port Mirroring	•	•			
Network Management	SNMP Power Down Trap	•	•			
& Maintenance	DHCP	Client, Auto Provis	sioning, Snooping			
	SNTP	•				
	Firmware/Configuration Upgrade	FTP/TFTP/HTTP	/USB 2.0 Type A			
	EMC/Safety	FCC Cla	ss A, CE			
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-	32 (Freefall), IEC 60068-2-6 (Vibration)			

ITU-T K.21 Enhanced Level 6KV

Industrial 802.3at PoE+ Non-managed Switch					
Model Name		IPS-3005-F1	IPS-3005		
	Product Image	Post-	PoE+		
	10/100/1000Base-T	4	5		
	10/100Base-TX	-	-		
	1000Base-X	1	-		
	100Base-FX	Compatible	-		
	RS-232 Console Port (RJ-45)	-	-		
	Digital Input/Output				
	PoE	4 x 802.3af/at PoE+			
	PoE Budget (Max.)	120W			
Hardware	Power Connector	Terminal Block			
	Power Source	48~58VDC Dual Input			
	Power Consumption	130W	127W		
	Dimension W x D x H	29 x 107 x 139mm			
	Operating Temperature (Humidity)	-40~75°C	C (5~90%)		
	MAC Address Table	2	K		
	Non-blocking Switching Fabric	100	Sbps		
	Memory Buffer	1M E	Bytes		
	Jumbo Frame	9K E	Bytes		
Certifications	EMC/Safety	FCC Cla	iss A, CE		
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-	32 (Freefall), IEC 60068-2-6 (Vibration)		

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Industrial Switch Solutions

		Industrial Non-	managed Switch			
	Model Name	IES-3008-F2	IES-3008	IES-3005-F1	IES-3005	
	Product Image				VEZ S	
	10/100/1000Base-T	6	8	4	5	
	10/100Base-TX	-	-	-	-	
	1000Base-X	2	-	1	-	
	100Base-FX	Compatible	-	Compatible	-	
	RS-232 Console Port (RJ-45)	-	-	-	-	
	Digital Input/Output	1 x DO				
	PoE					
	PoE Budget (Max.)	-				
Hardware	Power Connector	Terminal Block				
	Power Source	12~58VDC Dual Input				
	Power Consumption	8.16W	7.56W	3.24W	2.88W	
	Dimension W x D x H	39 x 96.9 x 117.8mm 29.1 x 89.4 x 109.2mm			x 109.2mm	
	Operating Temperature (Humidity)		-40~75°C	(5~90%)		
	MAC Address Table	8	K	2K		
	Non-blocking Switching Fabric	16G	Sbps	10Gbps		
	Memory Buffer	64K I	Bytes	1M E	Bytes	
	Jumbo Frame		9K E	Sytes		
04:54:	EMC/Safety		FCC Cla	ss A, CE		
Certifications	Stability	IEC 6006	68-2-27 (Shock), IEC 60068-2-	32 (Freefall), IEC 60068-2-6 (\	/ibration)	

Industrial Media Converter Solutions

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	Industrial Non-	managed Switch		
Model Name	WPS-3005	WAS-3005	WPS-2006	WAS-2006

Product Image









	10/100/1000Base-T	4	4	-	-
	10/100Base-TX	-	-	5	5
	1000Base-X	1	1	-	-
	100Base-FX	-	-	1	1
	RS-232 Console Port (RJ-45)	-	-	-	-
	Digital Input/Output		1 x	DO	
	PoE	4 x 802.3af/at PoE+	-	4 x 802.3af/at PoE+	-
	PoE Budget (Max.)	120W	-	120W	-
Hardware	Power Connector	Terminal Block + DC Jack			
	Power Source	48~54VDC Triple Input	12~54VDC Triple Input	48~54VDC Triple Input	12~54VDC Triple Input
	Power Consumption	130W	4.2W	128W	4W
	Dimension W x D x H	61 x 93 x 105mm			
	Operating Temperature (Humidity)		-20~60°C	C (5~90%)	
	MAC Address Table	2К			
	Non-blocking Switching Fabric	10Gbps 1.2Gbps		Gbps	
	Memory Buffer	128K Bytes 80K Bytes			Bytes
	Jumbo Frame	9K Bytes			
Certifications	EMC/Safety	FCC Class A, CE			

	Ind	ustrial 60W PoE++ Media Converter (-40~	75°C)			
	Model Name	IPC-3014-PoE++	IPC-3012-PoE++			
woder Name		Non-managed	Non-managed			
Product Image		PoE++ (320)	Poe++			
	10/100/1000Base-T	2	1			
	1000Base-X	2	1			
	100Base-FX	Compatible	Compatible			
	Digital Output		•			
	PoE	1 x 60W PoE++ + 1 x 802.3af/at PoE+	1 x 60W PoE++ or 1 x 802.3af/at PoE+			
	PoE Budget (Max.)	90W	60W			
	Power Connector	Terminal Block				
	Power Source	12~57VDC	Dual Input			
Hardware	Power Consumption	96W	64.8W			
	Store and Forward		•			
	Auto-MDI/MDI-X		•			
	Auto-negotiation in Fiber Port	•				
	MAC Address Table	2K				
	Memory Buffer	128K	Bytes			
	Jumbo Frame	9K E	Bytes			
	Dimension W x D x H	36 x 110	x 135mm			
	Operating Temperature (Humidity)	-40~75°C	C (5~90%)			
	Network Redundancy	Fiber Backup Mode	-			
	EMC/Safety	FCC Cla	iss A, CE			
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-	32 (Freefall), IEC 60068-2-6 (Vibration)			
	Surge	ITU-T K.21 Enha	anced Level 6KV			

Model Name		IPC-3014	IPC-3012		
	Model Name	Non-managed	Non-managed		
	Product Image	Poet	PoEt		
	10/100/1000Base-T	2	1		
	1000Base-X	2	1		
	100Base-FX	Compatible	Compatible		
	Digital Output		•		
	PoE	2 x 802.3af/at PoE+	1 x 802.3af/at PoE+		
	PoE Budget (Max.)	60W	30W		
	Power Connector	Terminal Block			
	Power Source	12~57VDC	Dual Input		
Hardware	Power Consumption	66W	34.8W		
Tiaiuwaie	Store and Forward		•		
	Auto-MDI/MDI-X	•			
	Auto-negotiation in Fiber Port	•			
	MAC Address Table	2K			
	Memory Buffer	128K Bytes			
	Jumbo Frame	9K Bytes			
	Dimension W x D x H	36 x 110 x 135mm			
	Operating Temperature (Humidity)	-40~75°C (5~90%)			
	Network Redundancy	Fiber Backup Mode			
	EMC/Safety	FCC Cla	ass A, CE		
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-	-32 (Freefall), IEC 60068-2-6 (Vibration)		

ITU-T K.21 Enhanced Level 6KV

Surge

Industrial 802.3at PoE+ Media Converter (-40~75°C)

		Industrial Media Converter (-40~75°C)		
	Model Name	IAC-3014	IAC-3012	
Model Name		Non-managed	Non-managed	
Product Image				
	10/100/1000Base-T	2	1	
	1000Base-X	2	1	
	100Base-FX	Compatible	Compatible	
	Digital Output	•	•	
	Power Connector	Terminal Block		
	Power Source	12~48VDC Dual Input		
	Power Consumption	4.8W	3.4W	
Hardware	Store and Forward	•		
панимане	Auto-MDI/MDI-X	•	•	
	Auto-negotiation in Fiber Port	•		
	MAC Address Table	2K		
	Memory Buffer	128K Bytes		
	Jumbo Frame	9K Bytes		
	Dimension W x D x H	36 x 110 x 135mm		
	Operating Temperature (Humidity)	-40~75°C (5~90%)		
	Network Redundancy	Fiber Backup Mode	-	
	EMC/Safety	FCC Cla	ss A, CE	
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-32 (Freefall), IEC 60068-2-6 (Vibration)		
	Surge	ITU-T K.21 Enhanced Level 6KV		

Industrial Media Converter Solutions

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	Indu	strial 802.3at PoE+ M	ledia Converter (-20~	-60°C)			
		WPC-3112	WPC-3012	WPC-2112	WPC-2012		
Model Name		Managed	Non-managed	Managed	Non-managed		
Product Image		PoEt	PoE+	PoE+	PoEt		
	10/100/1000Base-T	1	1	-	-		
	10/100Base-TX	-	-	1	1		
	1000Base-X	1	1	-	-		
	100Base-FX	-	-	1	1		
	Digital Output	I	•		ı		
	PoE		1 x 802.3a	af/at PoE+			
	PoE Budget (Max.)		30	W			
	Power Connector	Terminal Block + DC Jack					
	Power Source	48~54VDC Triple Input					
Hardware	Power Consumption	38W	34W	36W	32W		
	Store and Forward	•					
	Auto-MDI/MDI-X	•					
	Auto-negotiation in TP Port	•					
	Flow Control	•					
	MAC Address Table		1	K			
	Memory Buffer	32K E	Bytes	12K Bytes			
	Jumbo Frame		9K B	lytes			
	Dimension W x D x H		35 x 93 >	105mm			
	Operating Temperature (Humidity)		-20~60°C	(5~90%)			
	TS-1000 Loopback Test	•	-	•	-		
	Bandwidth Control	•	-	•	-		
	VLAN	802.1q, Q-in-Q	-	802.1q, Q-in-Q	-		
	VLAN ID	4094	-	4094	-		
Management	VLAN Groups	16	-	16	-		
& Features	Management	WEB, SNMP v1/v2c	-	WEB, SNMP v1/v2c	-		
	SNMP Power Down Trap	•	-	•	-		
	DHCP	Client	-	Client	-		
	Link Alarm			•			
	Firmware Upgrade	HTTP	-	HTTP	-		
Certifications	EMC/Safety		FCC Cla	ss A, CE			

		Industrial Media C	converter (-20~60°C)				
	M. L.IN.	WAC-3112	WAC-3012	WAC-2112	WAC-2012		
	Model Name	Managed	Non-managed	Managed	Non-managed		
	Product Image						
	10/100/1000Base-T	1	1	-	-		
	10/100Base-TX	-	-	1	1		
	1000Base-X	1	1	-	-		
	100Base-FX	-	-	1	1		
	Digital Output		•	•			
	PoE			-			
	PoE Budget (Max.)			-			
	Power Connector		Terminal Bloo	ck + DC Jack			
	Power Source		12~48VDC	Triple Input			
lardware	Power Consumption	3.84W		2.88W			
Store and Forward Auto-MDI/MDI-X		•					
		•					
	Auto-negotiation in TP Port	•					
	Flow Control			•			
	MAC Address Table		1	K			
	Memory Buffer	32K I	32K Bytes 12K Bytes		48K Bytes		
	Jumbo Frame		9K E	Bytes			
	Dimension W x D x H	35 x 93 x 105mm					
	Operating Temperature (Humidity)		-20~60°C	(5~90%)			
	TS-1000 Loopback Test	•	-	•	-		
	Bandwidth Control	•	-	•	-		
	VLAN	802.1q, Q-in-Q	-	802.1q, Q-in-Q	-		
	VLAN ID	4094	-	4094	-		
Management	VLAN Groups	16	-	16	-		
Features	Management	WEB, SNMP v1/v2c	-	WEB, SNMP v1/v2c	-		
	SNMP Power Down Trap	•	-	•	-		
	DHCP	Client	-	Client	-		
	Link Alarm			•			
	Firmware Upgrade	HTTP	-	НТТР	-		
Certifications	EMC/Safety		FCC Cla	ss A, CE			

Industrial Gigabit Ethernet SFP Transceiver

Product Image



	SFP-31-D							
Model Name		Specification						
	Speed (Mbps)	Туре	Connector	Distance	Wavelength (nm)	Temperature		
SFP-31FC-D	1000	MM	LC	550M	850	-40~85°C		
SFP-31FC(MM-02)-D	1000	MM	LC	2KM	1310	-40~85°C		
SFP-31FC(SM-10/20/40/80)-D	1000	SM	LC	10/20/40/80KM	1310/1310/1310/1550	-40~85°C		
OED 04/M04 (OM 40/00) D	4000	14/544	1.0	40/00//14	TX:1310/1310	40.0500		
SFP-31W2A(SM-10/20)-D	1000	WDM LC	1000 WDW EC 10/20KW	LC	10/20KM	LC 10/20KM	RX:1550/1550	-40~85°C
CED 24/M2D/CM 40/20\ D	SFP-31W2B(SM-10/20)-D 1000 WDM LC 10/20KM	TX:1550/1550	40.05%					
SFF-31WZB(SW-10/20)-D		WDM LC	10/20KM	LC 10/20KM	RX:1310/1310	-40~85°C		

Industrial Power Supply

Product Image









N	Model Name	SDR-480-48	SDR-240-48	SDR-120-48	SDR-75-48	
	Rated Power	480W	240W 120W		76.8W	
Output	Voltage Adj. Range*	48~55V				
	Current Range	0~10A	0~5A	0~2.5A	0~1.6A	
Input	Voltage Range	90~264VAC 127~370VDC 88~264VAC 124~370VDC				
Protection	n	Overload, Over Voltage, Over Temperature				
Temperat	ure	-25~70°C				
Dimensio	n W x D x H	85.5 x 125.2 x 128.5mm 63 x 125.2 x 113.5mm 40 x 125.2 x 113.5mm 32 x 125.2 x 102i				

Product Image







Model Name		NDR-75-48	MDR-60-48	MDR-20-12
	Rated Power	76.8W	60W	20W
Output	Voltage Adj. Range*	48~55V	48~56V 10.8~13.2V	
	Current Range	0~1.6A	0~1.25A	0~1.67A
Input	Voltage Range	90~264VAC 127~370VDC	85-264VAC 120-370VDC	
Protection Overload, Overloac Over Voltage, Over Voltage Over Temperature				
Temperature			-25~70°C	
Dimension	n W x D x H	32 x 125.2 x 102mm	40 x 90 x 100mm 22.5 x 90 x 100mm	

^{*} Voltage Tolerance: ± 1.0%

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