

Product Catalogue

INDUSTRIAL SOLUTIONS

HIGH-SPEED AND RELIABILITY COMMUNICATION NETWORKS

Industrial SwitchIndustrial Media Converter

11-1

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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.





About

CTS

In close cooperation with our partners, CTS has achieved:

Over1,4 MillionFTTH Last Mile DeploymentsOver750,000Fiber Ethernet Connectivity DeploymentsOver100,000FTTB 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.

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

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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.



Trustworthy Partner

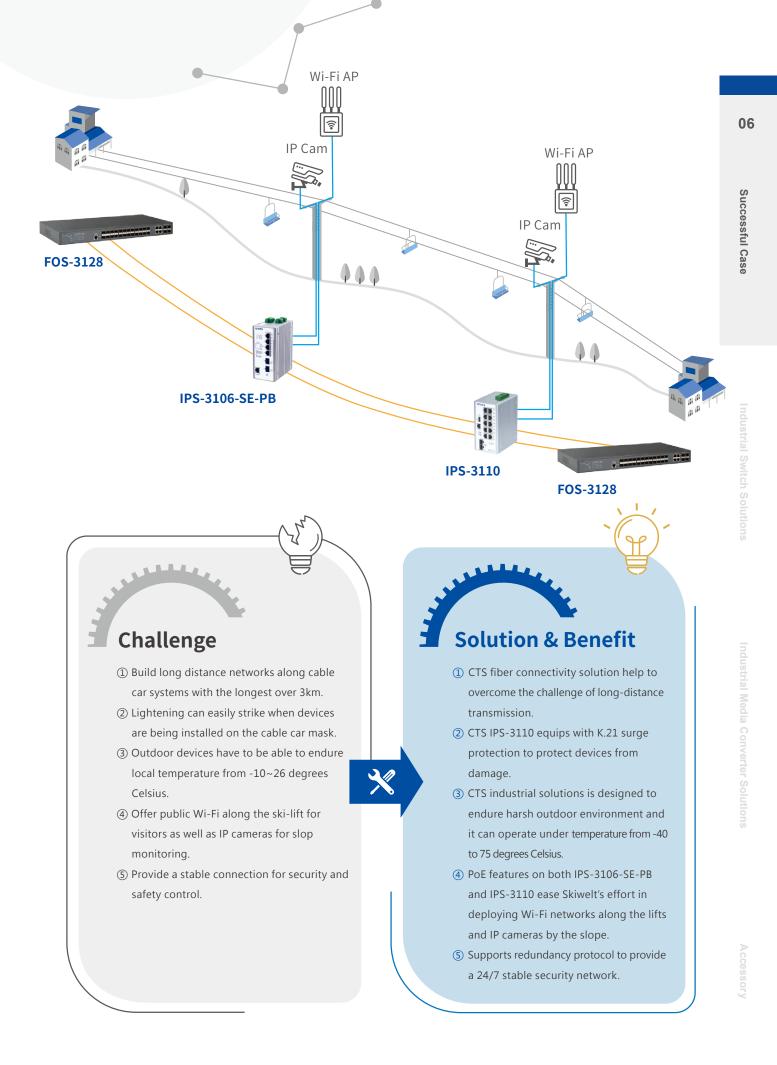
High quality and stability over several years in extremely harsh weather conditions.



In-house Designer

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

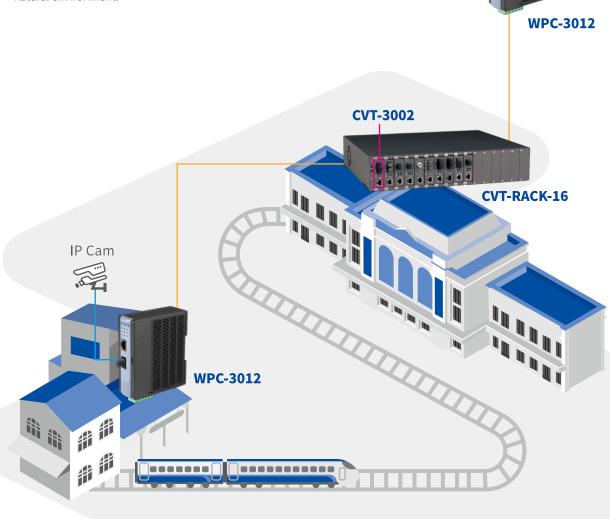
Successful Case



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

Background

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.



IP Cam

Successful Case

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Challenge

- 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

- 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.





CVT-RACK-16

16 Slots Universal Media Converter Chassis



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.

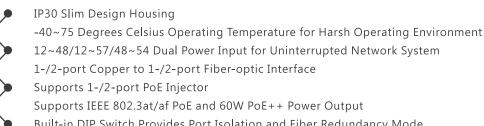
IP30 Design Housing -40~75 degrees Celsius Operating Temperature Range for Harsh Operating Environment 9.6~55/12~54/24~54/44~55/48~54VDC Dual Power Input for Uninterrupted Network System Industrial PoE Switch Series Support IEEE 802.3at/af PoE and 60W PoE++ Power Output IEEE 802.1q Tagged VLAN and Q-in-Q 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



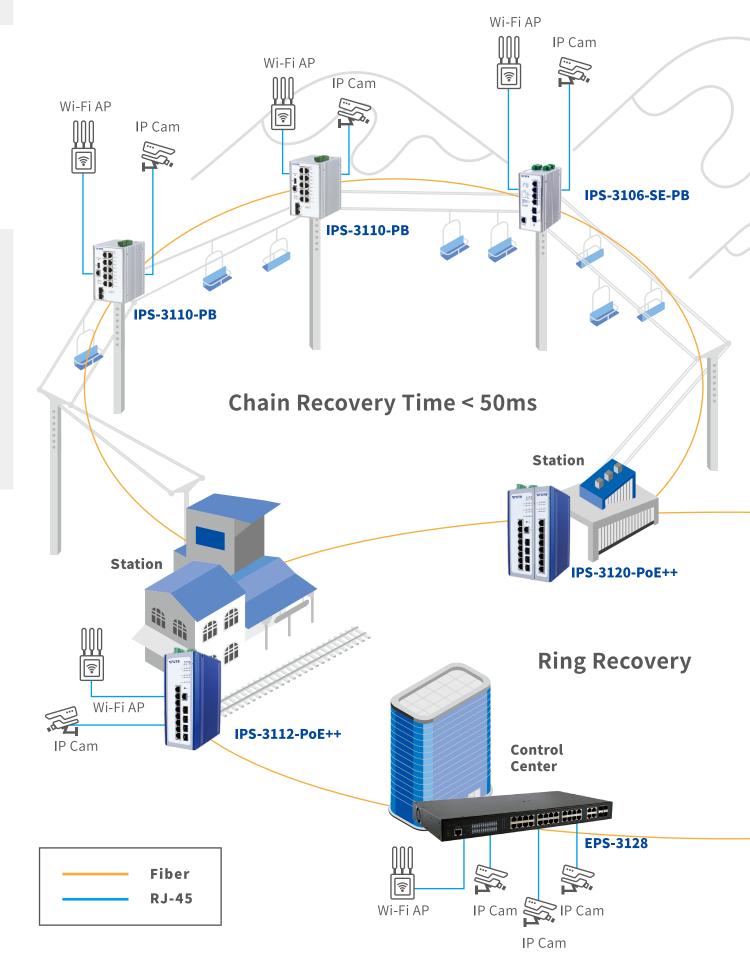
CTS Industrial Media Converters in a robust IP30 housing are designed to meet the demands of industrial network for plug-and-play usage. Industrial Media Converters can extend your Ethernet network beyond 100-meter limitation and convert fiber links from multi-mode to single-mode or vice versa. The wiring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

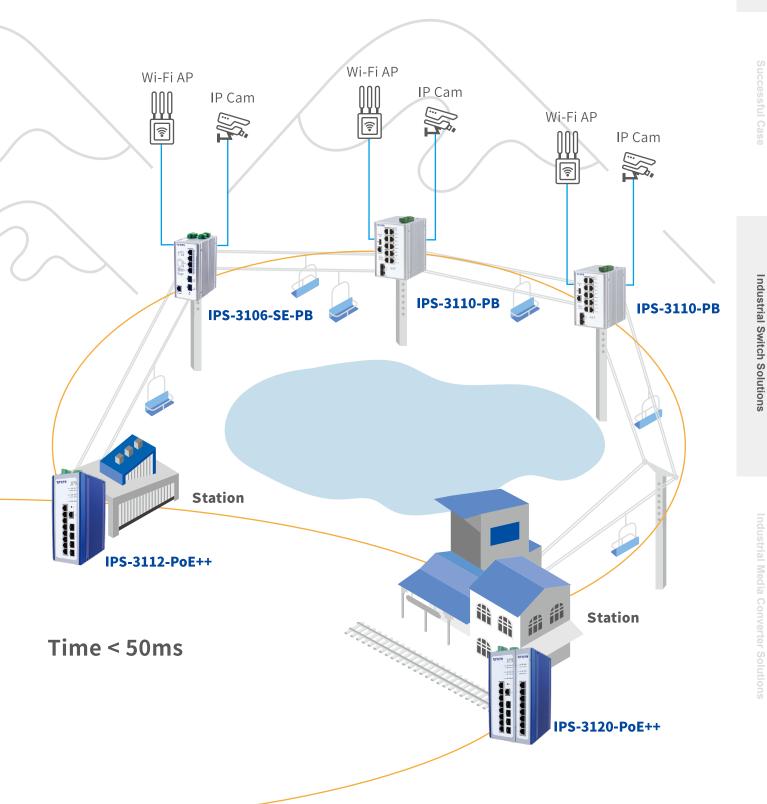


Built-in DIP Switch Provides Port Isolation and Fiber Redundancy Mode



Application of Industrial Networking Solutions





		Industrial 60W PoE++ Mana			
	Model Name	IPS-3120-PoE++	IPS-3112-PoE++	IPS-3108-EXP*	
I	Product Image	POE++	Pot++		
	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	-	
	РоЕ	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	Terminal B	lock	-	
	Power Source	48~55VDC Du	al 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	8K		-	
	Non-blocking Switching Fabric	40Gbps	24Gbps	16Gbps	
	Memory Buffer	4.1M Byt	es	-	
	Jumbo Frame	9K Byte	s	-	
	IPv6		-		
	QoS	802.1p, ToS/	DSCP	-	
	QoS Priority Queue	8		-	
	Bandwidth Control		-		
	Broadcast Storm Control		-		
Traffic	IPTV Multicast	IGMP Snooping v1/v2/v3		-	
Management	Network Redundancy	CTS Fast Ring v2** STP/RSTP		-	
	LACP	•		-	
	VLAN	802.1q, Q-in-Q, F	Port Based	-	
	VLAN ID	4094		-	
	VLAN Group	2К		-	
	SSHv2	٠		-	
Security &	DHCP Option 82		-		
Authentication	Authentication	RADIUS, TACACS+	, 802.1x MAB	-	
	ACL (Access Control List)	•		-	
	Management	Telnet, CLI, WEB, SN	MP v1/v2c/v3	-	
	Port Mirroring		-		
Network Management	SNMP Power Down Trap		-		
Management & Maintenance	DHCP	Client		-	
	SNTP	٠		-	
	Firmware/Configuration Upgrade	FTP/TFTP/ł	НТТР	-	
	EMC/Safety		FCC Class A, CE		
Certifications	Stability	IEC 60068-2-27 (Shoc	k), IEC 60068-2-32 (Freefall), IEC 60068	3-2-6 (Vibration)	
	Surge	ITU-T K.21 Enhanced Level 6KV			

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

** CTS Fast Ring v2 includes Ring and Chain Protocol

		Industrial 802.3at PoE+ Mai	naged Switch	
	Model Name	IPS-3110	IPS-3110-PB	IPS-3106-SE-PB
F	Product Image	Fast		
	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 802.3af	'at PoE+	4 x 802.3af/at PoE+
	PoE Budget (Max.)	240\	V	120W
Hardware	Power Connector		Terminal Block	
	Power Source	48~54VDC Dual Input	24~54VDC	Dual Input
	Power Consumption	255\	V	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	16K		8K
	Non-blocking Switching Fabric	20Gbps		12Gbps
	Memory Buffer	256K Bytes		4.1M Bytes
	Jumbo Frame	9K 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
-	Network Redundancy	CTS Fast Ring v2** STP/RSTP		
	LACP	•		
	VLAN	802.1q, Q-in-Q, Port Based		
	VLAN ID		4094	
	VLAN Group		128	
	SSHv2		٠	
Security &	DHCP Option 82	-		•
Authentication	Authentication	RADIUS,	802.1x	RADIUS, TACACS+, 802.1x MAB
	ACL (Access Control List)		•	
Network Management & Maintenance	Management		Telnet, CLI, WEB, SNMP v1/v2c/v3	
	Port Mirroring		•	
	SNMP Power Down Trap		-	
	DHCP		Client, Auto Provisioning, Snooping	
	SNTP	•		
	Firmware/Configuration Upgrade	FTP/TFTP/HTTP/I	JSB 2.0 Type A	FTP/TFTP/HTTP
	EMC/Safety		FCC Class 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		

** CTS Fast Ring v2 includes Ring and Chain Protocol

		dustrial Ethernet Managed Switch	
Model Name		IES-3110	
I	Product Image	(First)	
	10/100/1000Base-T	10	
	10/100Base-TX	-	
	1000Base-X	2 (COMBO)	
	100Base-FX	Compatible	
	RS-232 Console Port (RJ-45)	1	
	Digital Input/Output	1 x DO	
	PoE		
	PoE Budget (Max.)		
ardware	Power Connector	Terminal Block	
	Power Source	12~54VDC Dual Input	
	Power Consumption	15W	
	Dimension W x D x H	73 x 110 x 135mm	
	Operating Temperature (Humidity)	-40~75°C (5~90%)	
	MAC Address Table	16K	
	Non-blocking Switching Fabric	20Gbps	
	Memory Buffer	256K Bytes	
	Jumbo Frame	9K Bytes	
	IPv6	-	
	QoS	802.1p, ToS/DSCP	
	QoS Priority Queue	8	
	Bandwidth Control	•	
	Broadcast Storm Control	•	
affic	IPTV Multicast	IGMP Snooping v1/v2	
anagement	Network Redundancy	CTS Fast Ring v2*, STP/RSTP	
	LACP	•	
	VLAN	802.1q, Q-in-Q, Port Based	
	VLAN ID	4094	
	VLAN Group	128	
	SSHv2	•	
	DHCP Option 82	•	
ecurity & uthentication	Authentication	- RADIUS, 802.1x	
	ACL (Access Control List)		
	Management	• Telnet, CLI, WEB, SNMP v1/v2c/v3	
	Port Mirroring	e ellet, CLI, WED, SNNP V I/V2C/V3	
etwork	SNMP Power Down Trap	•	
letwork lanagement			
Maintenance	DHCP	Client, Auto Provisioning, Snooping	
	SNTP		
	Firmware/Configuration Upgrade	FTP/TFTP/HTTP/USB 2.0 Type A	
	EMC/Safety	FCC Class A, CE IEC 60068-2-27 (Shock), IEC 60068-2-32 (Freefall), IEC 60068-2-6 (Vibration)	
ertifications	Stability		

* CTS Fast Ring v2 includes Ring and Chain Protocol

Industrial 802.3at PoE+ Non-managed Switch						
	Model Name	IPS-3005-F1	IPS-3005			
Product Image		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 (5~90%)				
	MAC Address Table	2К				
	Non-blocking Switching Fabric	10G	ibps			
	Memory Buffer		Bytes			
	Jumbo Frame	9К Е	Bytes			
Certifications	EMC/Safety	FCC Cla	ss A, CE			
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-32 (Freefall), IEC 60068-2-6 (Vibration)				

Industrial Non-managed Switch						
	Model Name	IES-3008-F2	IES-3005-F1	IES-3005		
Product Image						
	10/100/1000Base-T	6	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	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		
	Operating Temperature (Humidity)	-40~75°C (5~90%)				
	MAC Address Table	8K	2	К		
	Non-blocking Switching Fabric	16Gbps 10Gbps				
	Memory Buffer	64K Bytes 1M Bytes				
	Jumbo Frame	9K Bytes				
O a utifi a ati a u	EMC/Safety		FCC Class A, CE			
Certifications	Stability	IEC 60068-2-27 (Shock), IEC 60068-2-32 (Freefall), IEC 60068-2-6 (Vibration)				

Successful C

	Industrial Non-managed Switch						
17		Model Name	WPS-3005	WAS-3005	WPS-2006	WAS-2006	
(0)		Product Image	PoE+		Pot+		
	Succes	10/100/1000Base-T	4	4	-	-	
Successful Case		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		
ndustria		PoE	4 x 802.3af/at PoE+	-	4 x 802.3af/at PoE+	-	
al Switc		PoE Budget (Max.)	120W	-	120W	-	
Industrial Switch Solutions	Hardware	Power Connector	Terminal Block + DC Jack				
ions		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 >	< 105mm		
Indu		Operating Temperature (Humidity)		-20~60°C	C (5~90%)		
		MAC Address Table		2	к		
ledia C		Non-blocking Switching Fabric	10Gbps		1.20	1.2Gbps	
onverte		Memory Buffer	128K Bytes 80K Bytes			Bytes	
strial Media Converter Solutions		Jumbo Frame	9K Bytes		lytes		
ions	Certifications	EMC/Safety	FCC Class A, CE				

Industrial 60W PoE++ Media Converter (-40~75°C)					
	Model Name	IPC-3014-PoE++	IPC-3012-PoE++		
		Non-managed	Non-managed		
Product Image					
	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	Termina	al Block		
	Power Source	12~57VDC Dual Input			
	Power Consumption	96W	64.8W		
Hardware	Store and Forward	•			
	Auto-MDI/MDI-X	•			
	Auto-negotiation in Fiber Port	•			
	MAC Address Table	2К			
	Memory Buffer	128K Bytes			
	Jumbo Frame	9К Е	Bytes		
	Link Alarm	•	*		
	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	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			

* Customer should inform CTS before manufacturing if they request for adding link alarm function

Succ

		Industrial Media Converter (-40~75°C)	
	Model Name	IAC-3014	IAC-3012
		Non-managed	Non-managed
	Product Image		
	10/100/1000Base-T	2	1
	1000Base-X	2	1
	100Base-FX	Compatible	Compatible
	Digital Output		•
	Power Connector	Termin	al Block
	Power Source	12~48VDC	Dual Input
	Power Consumption	4.8W	3.4W
	Store and Forward		•
Hardware	Auto-MDI/MDI-X		•
	Auto-negotiation in Fiber Port		•
	MAC Address Table	2	К
	Memory Buffer	128K Bytes	
	Jumbo Frame	9K E	Bytes
	Link Alarm		*
	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)
	Surge	ITU-T K.21 Enh	anced Level 6KV
* 0 /			

* Customer should inform CTS before manufacturing if they request for adding link alarm function

	Indu	strial 802. <u>3at PoE+ N</u>	ledia Converter (-20~	~60°C)			
		WPC-3112	WPC-3012	WPC-2112	WPC-2012		
	Model Name	Managed	Non-managed	Managed	Non-managed		
	Product Image		Pot+	PoE+	Pot+		
	10/100/1000Base-T	1	1	-	-		
	10/100Base-TX	-	-	1	1		
	1000Base-X	1	1	-	-		
	100Base-FX	-	-	1	1		
	Digital Output	•					
	PoE	1 x 802.3af/at PoE+					
PoE Budget (Max.)			30	W			
	Power Connector	Terminal Block + DC Jack					
	Power Source	48~54VDC Triple Input					
Hardware	Power Consumption	38W	34W	36	SW		
	Store and Forward			•			
	Auto-MDI/MDI-X	•					
	Auto-negotiation in TP Port	•					
	Flow Control	• -					
	MAC Address Table	1К					
	Memory Buffer	32K E	Bytes	12K Bytes			
	Jumbo Frame		9K E	Bytes			
	Dimension W x D x H		35 x 93 x	x 105mm			
	Operating Temperature (Humidity)		-20~60°C	C (5~90%)			
	TS-1000 Loopback Test	٠	-	•	-		
	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	٠	-	•	-		
	DHCP	Client	-	Client	-		
	Link Alarm			•			
	Firmware Upgrade	HTTP	-	HTTP	-		
Certifications	EMC/Safety		FCC Cla	ss A, CE			

		Industrial Media C	onverter (-20~60°C)				
		WAC-3112	WAC-3012	WAC-2112	WAC-2012		
	Model Name	Managed	Non-managed	Managed	Non-manageo		
	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 Block + DC Jack					
	Power Source	12~48VDC Triple Input					
Hardware	Power Consumption	3.84W 2.88W					
	Store and Forward	•					
	Auto-MDI/MDI-X	•					
	Auto-negotiation in TP Port	•					
	Flow Control		•		-		
	MAC Address Table	1K					
	Memory Buffer	32K I	Bytes	12K E	Sytes		
	Jumbo Frame		9K E	Bytes			
	Dimension W x D x H		35 x 93	x 105mm			
	Operating Temperature (Humidity)		-20~60°0	C (5~90%)			
	TS-1000 Loopback Test	•	-	•	-		
	Bandwidth Control	٠	-	•	-		
	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	۲	-	•	-		
	DHCP	Client	-	Client	-		
	Link Alarm			•			
	Firmware Upgrade	HTTP	-	HTTP	-		
Certifications	EMC/Safety		FCC Cla	iss A, CE			

Accessory

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	ММ	LC	550M	850	-40~85°C
SFP-31FC(MM-02)-D	1000	ММ	LC	2KM	1310	-40~85°C
SFP-31FC(SM-10/20)-D	1000	SM	LC	10/20KM	1310/1310	-40~85°C
	1000	WDM	10	10/00//14	TX:1310/1310	40.05%0
SFP-31W2A(SM-10/20)-D	1000	WDM	LC	10/20KM	RX:1550/1550	-40~85°C
SED 24/W2D(SM 40/20) D	1000	WDM	LC	10/20//14	TX:1550/1550	40.95%0
SFP-31W2B(SM-10/20)-D	1000	WDM	LC	10/20KM	RX:1310/1310	-40~85°C

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

* Voltage Tolerance: ± 1.0%

Industr	Ial Pow	or Supply
		er Supply

Product Image

r	Model Name	NDR-480-48	NDR-240-48	NDR-120-48	
	Rated Power	480W	240W	120W	
Output	Voltage Adj. Range*		48~55V		
	Current Range	0~10A	0~5A	0~2.5A	
Input	Voltage Range		90~264VAC 127~370VDC		
Protection		Overload, Over Voltage, Over Temperature			
Temperat	ure		-20~70°C		
Dimensio	n W x D x H	85.5 x 128.5 x 125.2mm 63 x 113.5 x 125.2mm		40 x 113.5 x 125.2mm	

				244 846
Ν	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		4VAC 70VDC
Protection		Overload, Over Voltage, Over Temperature	Overload, Over Voltage	
Temperature			-20~70°C	
Dimensio	n W x D x H	32 x 102 x 125.2mm	40 x 100 x 90mm	22.5 x 100 x 90mm

* Voltage Tolerance: ± 1.0%

Product Image



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