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NETZIN FEATURE

I ² RING	5.6
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Netzin Technology Corp. With a long background in IP Ethernet products, NetZin brings the best network solutions for Industrial and IP networks to the marketplace. The NetZin group is devoted to providing feature rich, high-quality networking solutions with outstanding service and support to our world-wide partners. NetZin core competency is centered around our network software and hardware, which allows for the seamless delivery of a variety of applications and services in diverse network environments.

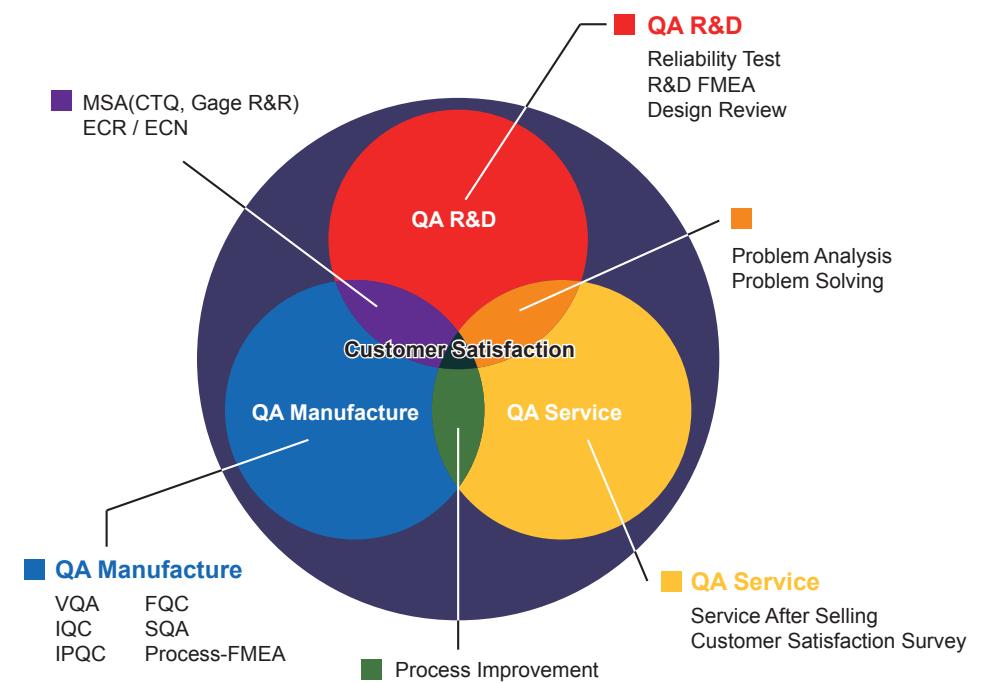
Various markets

Netzin offers a complete family of commercial and industrial grade networking products in support of the global transition to all Ethernet services. Netzin products and solutions provide for the delivery of universal Ethernet services across various markets and applications including:

- Rail Train System
- Building Automation
- Factory Automation
- Petroleum Industry
- Bus Network
- Tunnel Traffic Monitoring
- Wind Power Monitoring
- Power-Substation
- Offshore Platform
- Cruise Liner
- Water Treatment Plant
- ISP Infrastructure
- Surveillance



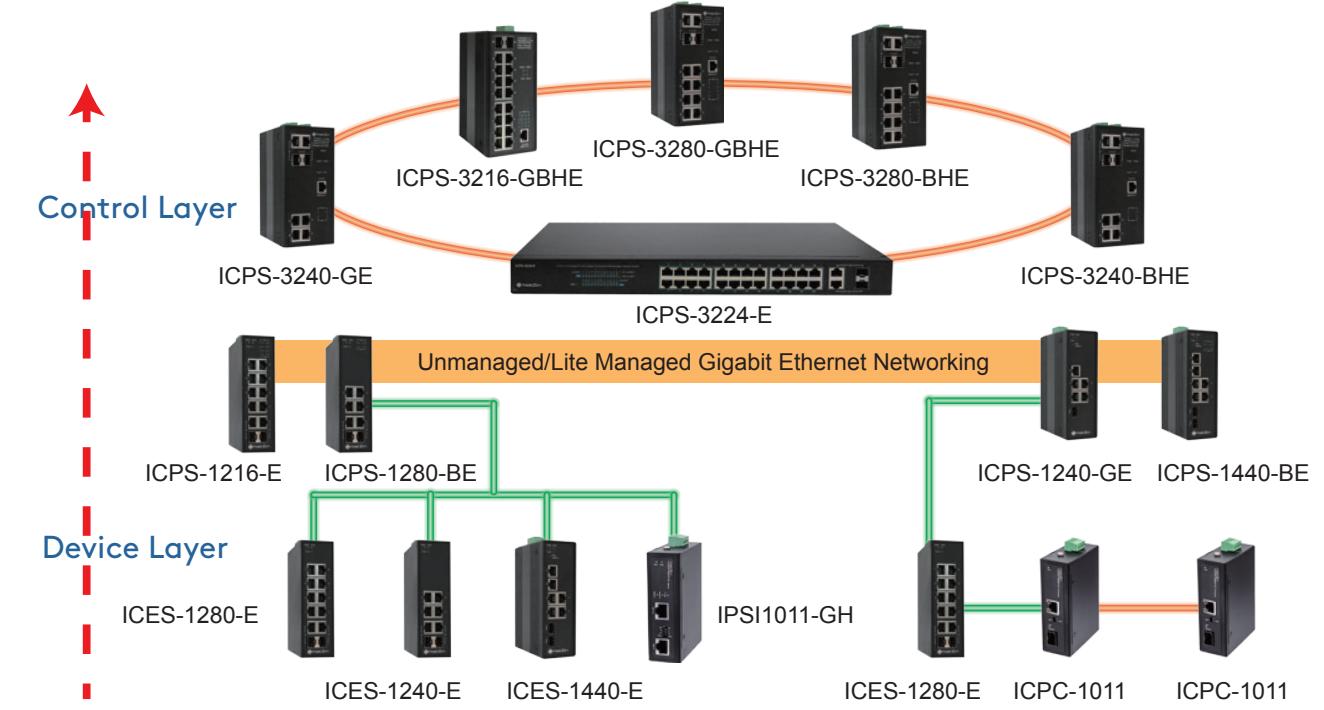
NetZin Quality



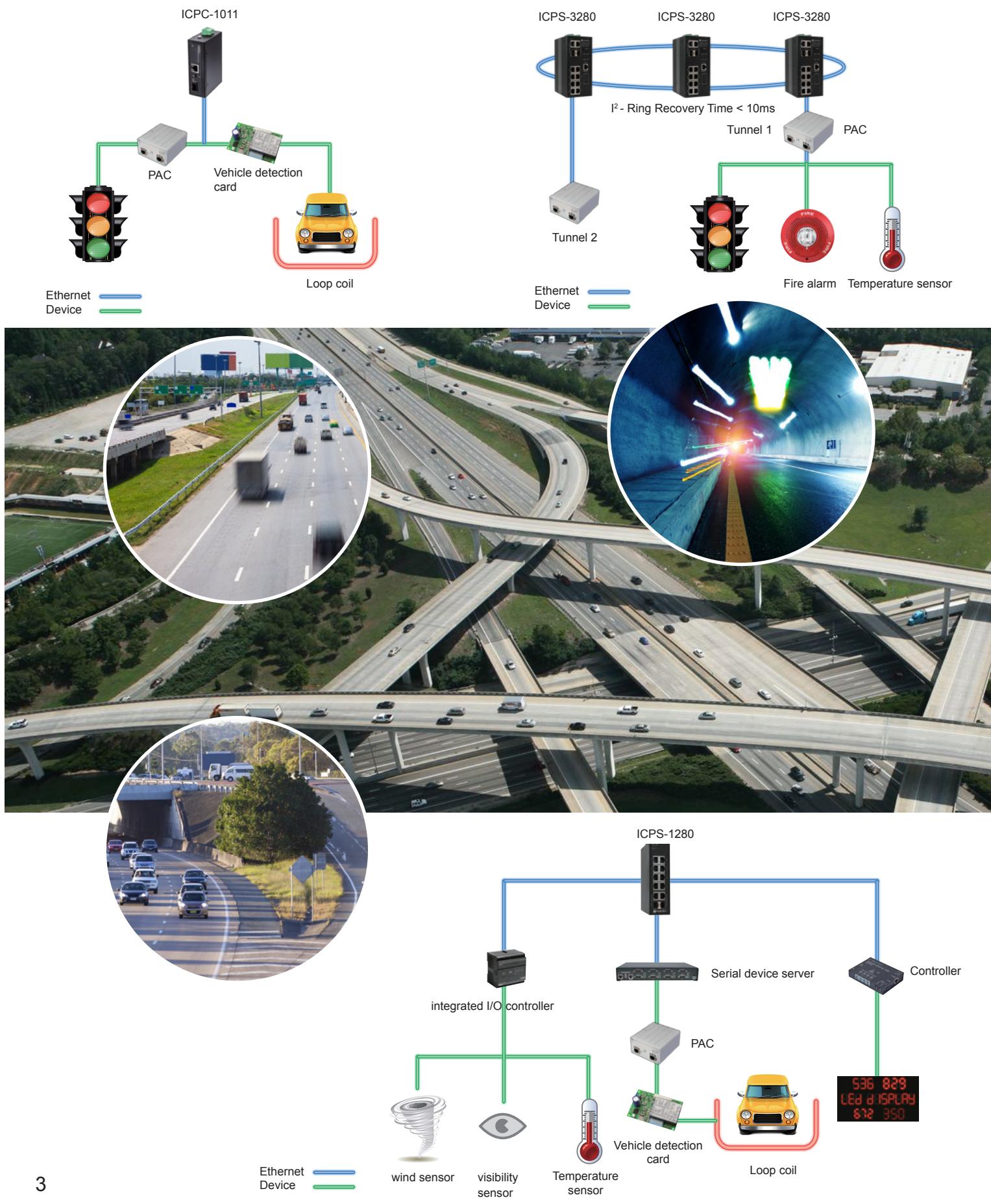
- More than 10 years design experience & R&D FMEA database
- Software quality control on bug trace system
- HQA & SQA test case server
- ERP control for QA Manufacture

Netzin Industrial Ethernet

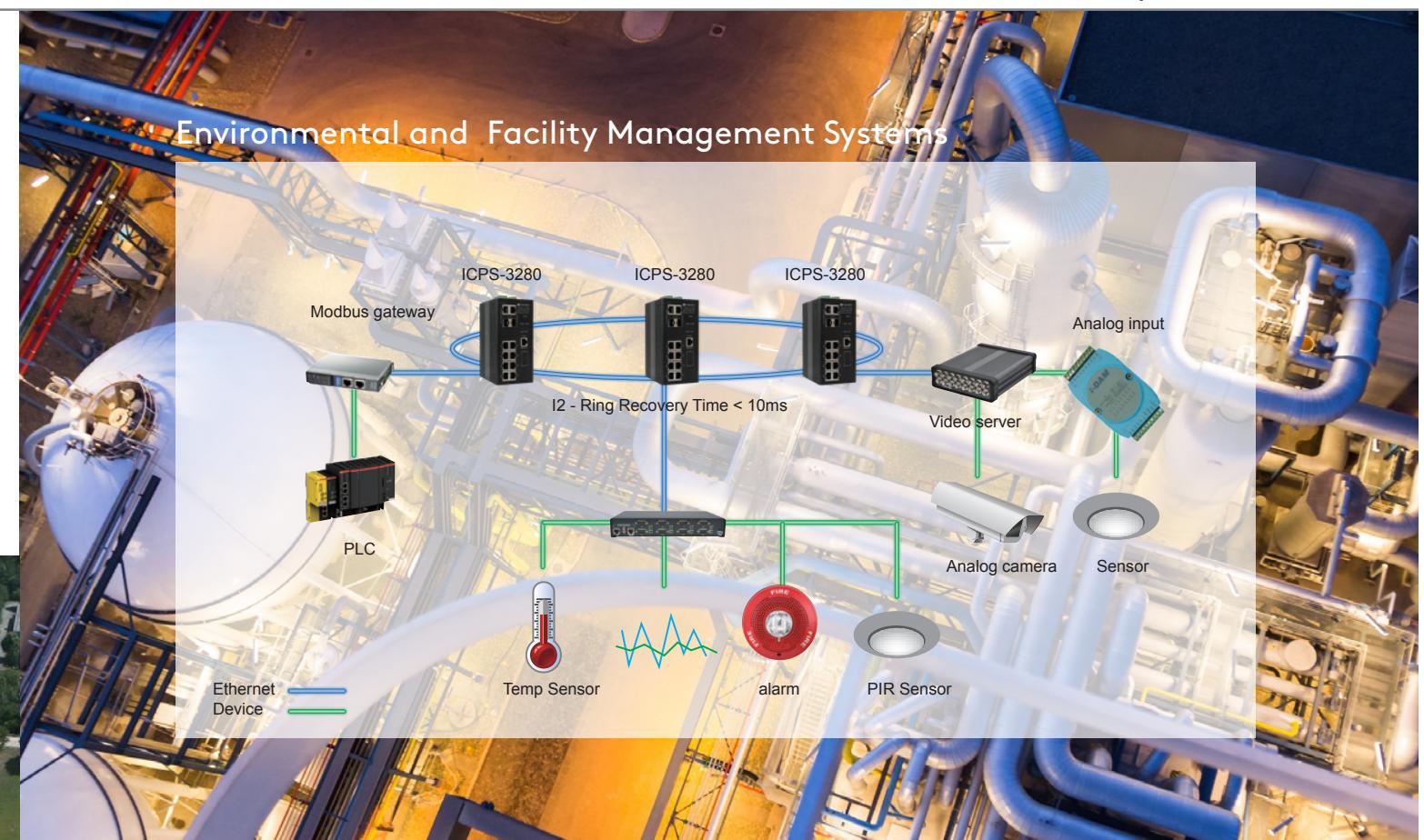
Infrastructure



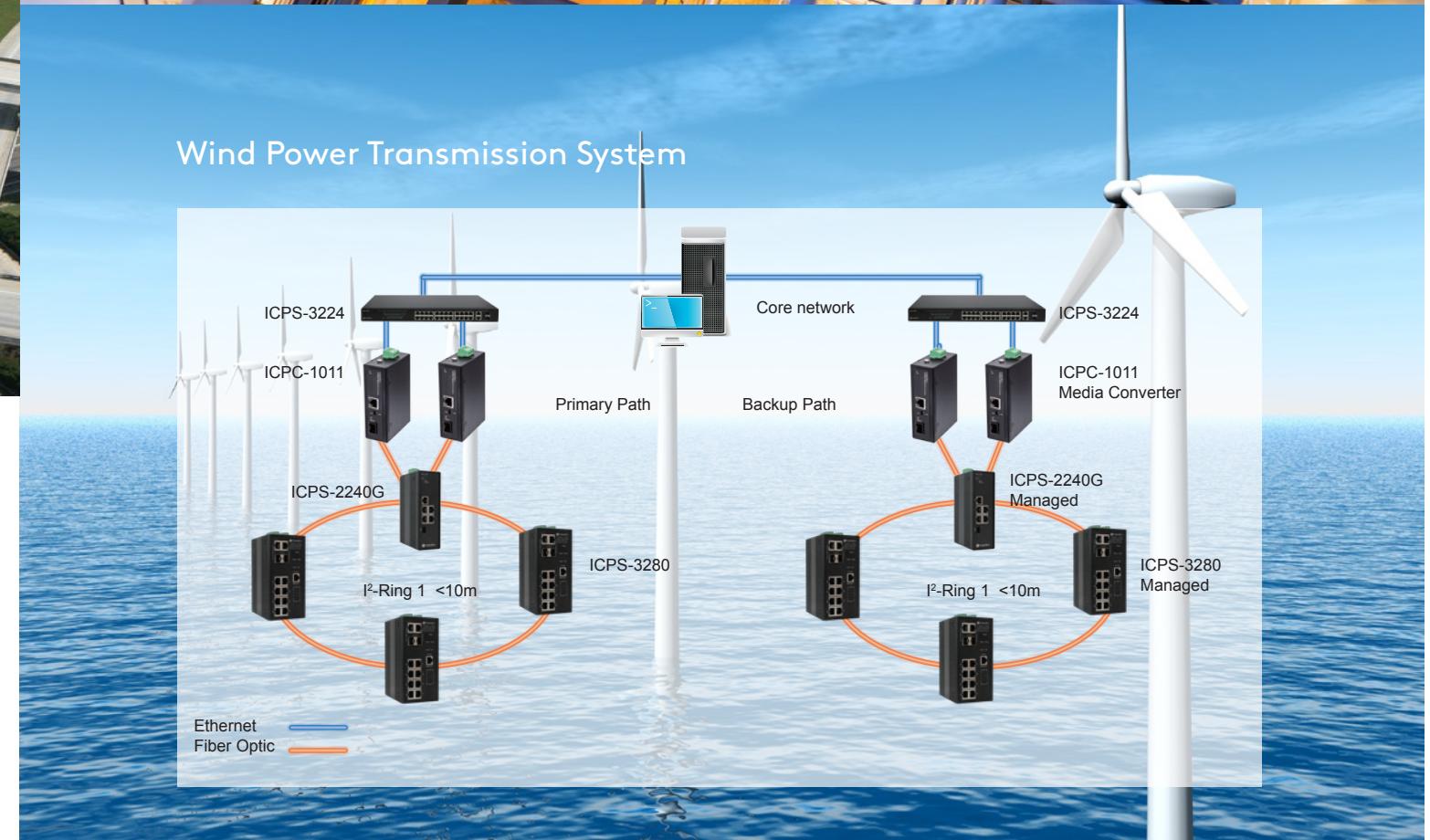
Intelligent Transportation Systems



Environmental and Facility Management Systems



Wind Power Transmission System



I^2 - Ring Technologies

$$\text{Impeccable Intelligent} = I^2$$

 I^2 - Ring Technology

Netzin I^2 -Ring is a proprietary self-healing technology that enables fast fault recovery of under 10 ms (at a full load of 250 switches). I^2 -Ring supports three topology options-Single Ring, Dual-Homing, and Legacy Ring(optional)-to reduce redundant network cabling and network planning costs and to ensure the high reliability of your industrial network applications. However the protocol is compatible with etherent standard and has been supported by many major Ethernet system providers. Netzin is proud to present our I^2 -Ring which is still suitable and flexible, but more



Redundancy and Fast recovery under 10ms
(RSTP and MSTP are more than XXms.)

STP ✓

Spanning tree compatibility.



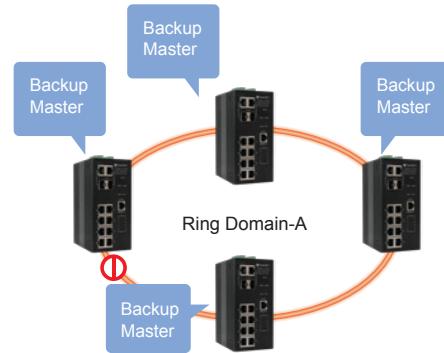
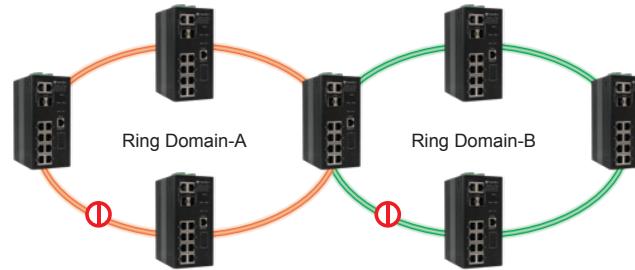
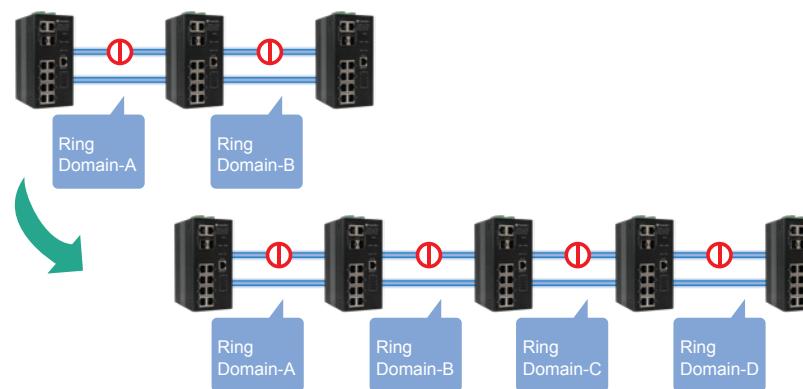
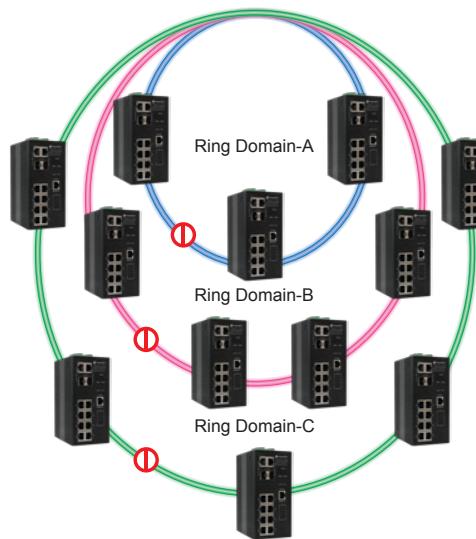
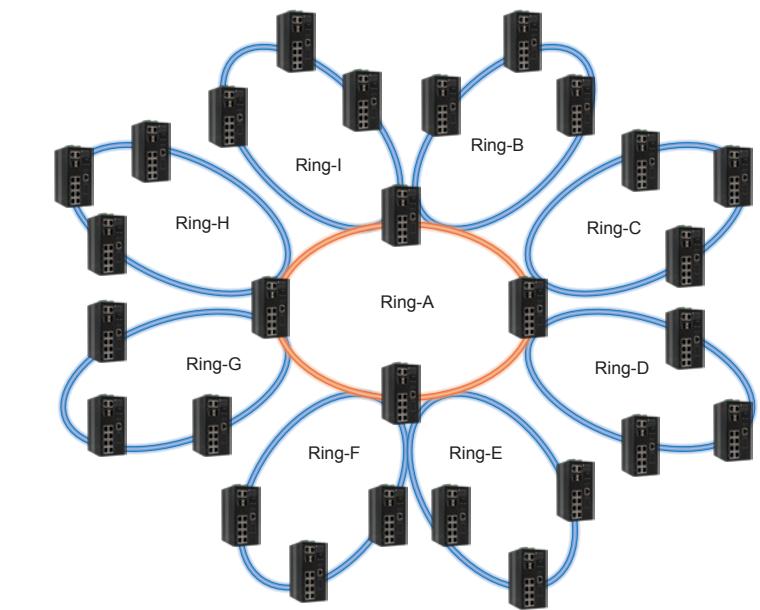
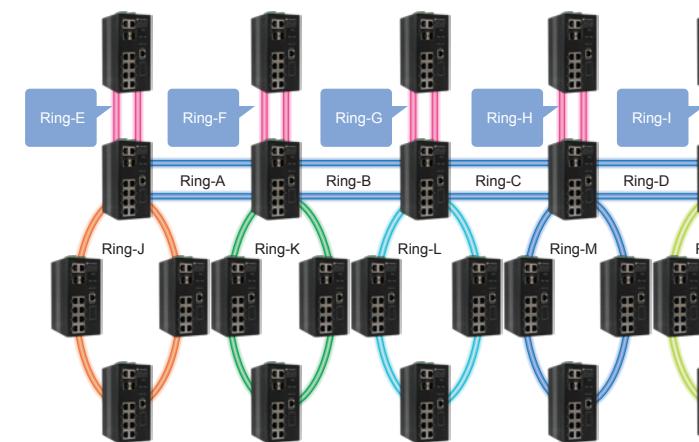
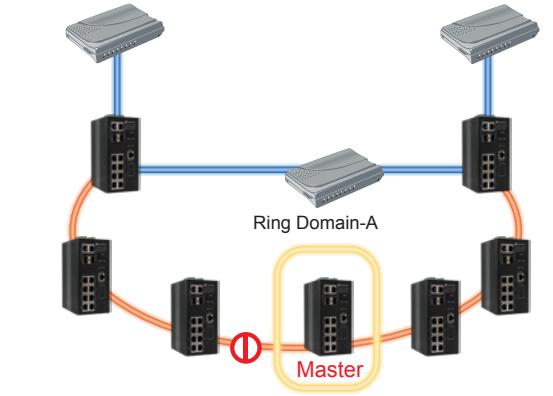
Multiple rings support for each ring domains.



Share the traffic stream and control the bandwidth.

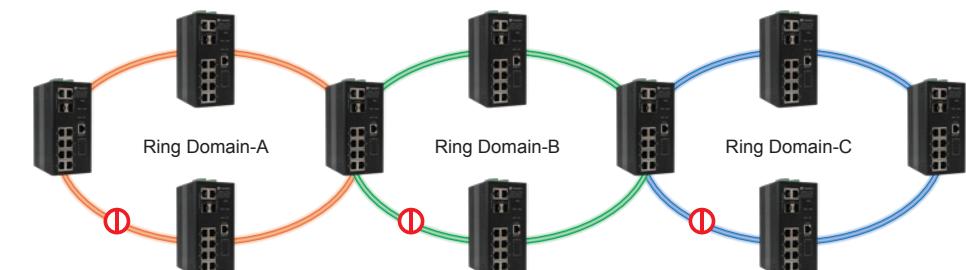


Dual home support

Single Ring**Dual-Rings****Redundant Rings****Multiple Rings****Multiple Rings W/S Multi-Domain****Redundant Rings Connects w/s Ring.****Ring compatibility w/s normal switch****Netzin I^2 - Chains****Adv-Rings Technology**

ADV-Chains is a proprietary self-healing technology for Netzin . That supports more complex topologies according to feed with more industrial applications.

ADV-Chains supports five topology options-Cascade Chain , Redundant Coupling w/s Multiple Rings, Redundant Chains-to reduce redundant network cabling and network planning costs and to ensure the high reliability of your industrial network applications.

 I^2 - Chains Cascade Chains

Harden Industrial PoE Managed switch



	ICPS-3280-GBHE	ICPS-3080-GBE	ICPS-3216-BHE	ICPS-3280-BHE	ICPS-3080-BHE	ICPS-3240-BHE
HARDWARE FEATURES						
10/100TX			16	8	8	4
10/100/1000T/				2		2
Dual Speed SFP Combo						
100/1000 Dual Speed SFP	2					
Giga Dual Speed SFP Combo			2			
10/100 Dual Speed SFP Combo						
10/100TX Uplink						
100FX Uplink						
10/100/100TX	8	8				
POE						
802.3at/af (POE+)	8	8	8	8	8	4
802.3at						
Power Supply	48V~54 VDC	48V~54 VDC	12V~54 VDC	12V~54 VDC	12V~54 VDC	12V~54 VDC
Mechanism						
Operating Temperature	-40°C~75°C	-40°C~75°C	-40°C~75°C	-40°C~75°C	-40°C~75°C	-40°C~75°C
Storage Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°F~185°F
IP Rating	IP30	IP30	IP30	IP30	IP30	IP30
Case Dimension (W) x(D) x (H)	42.8x105x152mm	42.8x105x152mm	59.6x105x152mm	59.6x105x152mm	59.6x105x152mm	59.6x105x152mm
DIN Rail Instanation	Y	Y	Y	Y	Y	Y
Wall Mount Installation		Y	Y	Y	Y	Y
Certification	Y	Y	Y	Y	Y	Y
CE	Y	Y	Y	Y	Y	Y
FCC	Y	Y	Y	Y	Y	Y
ROHS	Y	Y	Y	Y	Y	Y
WEEE	Y	Y	Y	Y	Y	Y
IEC60068-2-32(Free Fall)	Y	Y	Y	Y	Y	Y
IEC60068-2-27(Shock)	Y	Y	Y	Y	Y	Y
IEC60068-2-6(Vibration)	Y	Y	Y	Y	Y	Y
Software Features FEATURES						
Ring with VLAN	Y	Y	Y	Y	Y	Y
Environmental Monitoring	N	N	Y	Y	Y	Y
LLDP/Port Trunk	Y	Y	Y	Y	Y	Y
Spanning Tree	Y	Y	Y	Y	Y	Y
Quality of Service	Y	Y	Y	Y	Y	Y
Class of Service	Y	Y	Y	Y	Y	Y
Port Security	Y	Y	Y	Y	Y	Y
Port Mirror	Y	Y	Y	Y	Y	Y
IGMP	Y	Y	Y	Y	Y	Y
IP Security	Y	Y	Y	Y	Y	Y
Flow Control	Y	Y	Y	Y	Y	Y
System Log	Y	Y	Y	Y	Y	Y
Loop protection	Y	Y	Y	Y	Y	Y
Bandwidth Control	Y	Y	Y	Y	Y	Y
DHCP	Y	Y	Y	Y	Y	Y
DNS	Y	Y	Y	Y	Y	Y
Firmware Update	Y	Y	Y	Y	Y	Y
Factory reset & Watchdog design	Y	Y	Y	Y	Y	Y

Harden Industrial Manged switch



	ICES-3280-GE	ICES-3080-GE	ICES-3216-HE	ICES-3016-HE	ICES-3280-HE	ICES-3080-HE	ICES-3240-HE
HARDWARE FEATURES							
10/100TX				16	16	8	4
10/100/1000T/				2	2	2	2
Dual Speed SFP Combo							
100/1000 Dual Speed SFP	2				2		
Giga Dual Speed SFP Combo		2					
10/100 Dual Speed SFP Combo							
10/100TX Uplink							
100FX Uplink							
10/100/100TX	8	8			8		
Mechanism							
Operating Temperature	-40°C~75°C						
Storage Temperature	-40°C~85°C						
IP Rating	IP30						
Case Dimension (W) x(D) x (H)	42.8x105x152mm	42.8x105x152mm	59.6x105x152mm	59.6x105x152mm	59.6x105x152mm	59.6x105x152mm	59.6x105x152mm
mm	mm	mm	mm	mm	mm	mm	mm
DIN Rail Instantiation	Y	Y	Y	Y	Y	Y	Y
Wall Mount Installation	Y	Y	Y	Y	Y	Y	Y
Certification							
CE	Y	Y	Y	Y	Y	Y	Y
FCC	Y	Y	Y	Y	Y	Y	Y
ROHS	Y	Y	Y	Y	Y	Y	Y
WEEE	Y	Y	Y	Y	Y	Y	Y
IEC60068-2-32(Free Fall)	Y	Y	Y	Y	Y	Y	Y
IEC60068-2-27(Shock)	Y	Y	Y	Y	Y	Y	Y
IEC60068-2-6(Vibration)	Y	Y	Y	Y	Y	Y	Y
Software Features FEATURES							
Ring with VLAN	Y	Y	Y	Y	Y	Y	Y
Environmental monitoring	N	N	Y	Y	Y	Y	Y
LLDP /Port Trunk	Y	Y	Y	Y	Y	Y	Y
Spanning Tree	Y	Y	Y	Y	Y	Y	Y
Quality of Service	Y	Y	Y	Y	Y	Y	Y
Class of Service	Y	Y	Y	Y	Y	Y	Y
Port Security	Y	Y	Y	Y	Y	Y	Y
Port Mirror	Y	Y	Y	Y	Y	Y	Y
IGMP	Y	Y	Y	Y	Y	Y	Y
IP Security	Y	Y	Y	Y	Y	Y	Y
Flow Control	Y	Y	Y	Y	Y	Y	Y
System Log	Y	Y	Y	Y	Y	Y	Y
Loop protection	Y	Y	Y	Y	Y	Y	Y
Bandwidth Control	Y	Y	Y	Y	Y	Y	Y
DHCP	Y	Y	Y	Y	Y	Y	Y
DNS	Y	Y	Y	Y	Y	Y	Y
Firmware Update	Y	Y	Y	Y	Y	Y	Y
Factory reset & Watchdog design	Y	Y	Y	Y	Y	Y	Y

Industrial Rack Managed PoE switch



	ICPS-3224-E	ICPS-3216-E	ICPS-1224-E	ICPS-1216-E
HARDWARE FEATURES				
10/100TX	24	16	24	16
10/100/1000T/ Dual Speed SFP Combo	2	2	2	2
100/1000 Dual Speed SFP				
Giga Dual Speed SFP Combo				
10/100 Dual Speed SFP Combo				
10/100TX Uplink				
100FX Uplink				
10/100/100TX				
POE				
802.3at/af (POE+)	24	16	24	16
802.3at				
Power Supply	48V~54 VDC	48V~54 VDC	12V~54 VDC	12V~54 VDC
Mechanism				
Operating Temperature	-40°C~75°C	-40°C~75°C	-40°C~75°C	-40°C~75°C
Storage Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
IP Rating	IP30	IP30	IP30	IP30
Case Dimension (W) x(D) x (H)	42.8x105x152mm	42.8x105x152mm	59.6x105x152mm	59.6x105x152mm
DIN Rail Instanation	Y	Y	N	N
Wall Mount Installation	Y	Y	N	N
Certification				
CE	Y	Y	N	N
FCC	Y	Y	N	N
ROHS	Y	Y	N	N
WEEE	Y	Y	N	N
IEC60068-2-32(Free Fall)	Y	Y	N	N
IEC60068-2-27(Shock)	Y	Y	N	N
IEC60068-2-6(Vibration)	Y	Y	N	N
Software Features FEATURES				
Ring with VLAN	Y	Y	N	N
Environmental Monitoring	N	N	N	N
LLDP/Port Rtunk	Y	Y	N	N
Spanning Tree	Y	Y	N	N
Quality of Service	Y	Y	N	N
Class of Service	Y	Y	N	N
Port Security	Y	Y	N	N
Port Mirror	Y	Y	N	N
IGMP	Y	Y	N	N
IP Security	Y	Y	N	N
Flow Control	Y	Y	N	N
System Log	Y	Y	N	N
Loop protection	Y	Y	N	N
Bandwidth Control	Y	Y	N	N
DHCP	Y	Y	N	N
DNS	Y	Y	N	N
Firmware Update	Y	Y	N	N
Factory reset	Y	Y	N	N

Central Managed Switches



	CES-3424-G	CES-3216-G
HARDWARE FEATURES		
10/100TX		
10/100/1000T	24	16
100/1000 Dual Speed SFP	2	2
Giga Dual Speed SFP	4	
POE		
802.3at/af	24	16
802.3at		
Power Supply	100V~240VDC	100V~240VDC
Mechanism		
Operating Temperature	0°C~50°C 32F~122°F	0°C~50°C 32F~122°F
Storage Temperature	-20°C~75°C 4°F~167°F	-20°C~75°C 4°F~167°F
IP Rating	N/A	N/A
Case Dimension (W) x(D) x (H)	330x204x44mm	330x204x44mm
DIN Rail Installation	N	N
Wall Mount Installation	Y	Y
Certification		
CE	Y	Y
FCC	Y	Y
ROHS	Y	Y
WEEE	Y	Y
IEC60068-2-32(Free Fall)	N	N
IEC60068-2-27(Shock)	N	N
IEC60068-2-6(Vibration)	N	N
Software Features FEATURES		
VLAN	Y	Y
Port Trunk	Y	Y
LLDP	Y	Y
Spanning Tree	Y	Y
Quality of Service	Y	Y
Class of Service	Y	Y
Port Security	Y	Y
Port Mirror	Y	Y
IGMP	Y	Y
IP Security	Y	Y
Flow Control	Y	Y
System Log	Y	Y
Loop protection	Y	Y
Bandwidth Control	Y	Y
DHCP	Y	Y
DNS	Y	Y
Firmware Update	Y	Y
Factory reset	Y	Y

Industrial Unmanged POE switch



	ICPS-1280-GE	ICPS-1240-GE	ICPS-1280-BE	ICPS-1240-CBE	ICPS-1440-BE	ICPS-1280-BE
HARDWARE FEATURES						
10/100TX			8	4	4	4
10/100/1000T	2	2				
Dual Speed SFP						
10/100/1000T			2	2		
Dual Speed SFP Combo						
Giga Dual Speed SFP						
100/1000 Dual Speed SFP						
Giga Dual Speed SFP Combo						
10/100 Dual Speed SFP Combo						
10/100TX Uplink					2	1
100FX Uplink					2	1
10/100/100TX	8	4				
POE						
802.3at/af (POE+)	8	4	8	4	4	4
802.3at						
Power Supply	48~54VDC	48~54VDC	12~54 VDC	12~54 VDC	12~54 VDC	12~54 VDC
Mechanism						
Operating Temperature	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F
Storage Temperature	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F
IP Rating	IP30	IP30	IP30	IP30	IP30	IP30
Case Dimension (W) x(D) x (H)	43x105x142mm	43x105x142mm	43x105x142mm	36.2x105x142mm	43x105x152mm	43x105x152mm
DIN Rail Instanation	Y	Y	Y	Y	Y	Y
Wall Mount Installation	Y	Y	Y	Y	Y	Y
Certification						
CE	Y	Y	Y	Y	Y	Y
FCC	Y	Y	Y	Y	Y	Y
ROHS	Y	Y	Y	Y	Y	Y
WEEE	Y	Y	Y	Y	Y	Y
IEC60068-2-32 (Free Fall)	Y	Y	Y	Y	Y	Y
IEC60068-2-27(Shock)	Y	Y	Y	Y	Y	Y
IEC60068-2-6(Vibration)	Y	Y	Y	Y	Y	Y

Industrial Unmanged switch



	ICES-1280-E	ICES-1240-CE	ICES-1440-E	ICES-1240-E
HARDWARE FEATURES				
10/100TX	8	4	4	4
10/100/1000T				
10/100/1000T	2	2		
Dual Speed SFP Combo				
100/1000 Dual Speed SFP				
Giga Dual Speed SFP				
10/100 Dual Speed SFP Combo				
10/100TX Uplink			2	1
100FX Uplink			2	1
10/100/100TX				
Mechanism				
Operating Temperature	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F
Storage Temperature	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F
IP Rating	IP30	IP30	IP30	IP30
Case Dimension (W) x(D) x (H)	43x105x142mm	43x105x142mm	43x105x142mm	43x105x142mm
DIN Rail Instanation	Y	Y	Y	Y
Wall Mount Installation	Y	Y	Y	Y
Certification				
CE	Y	Y	Y	Y
FCC	Y	Y	Y	Y
ROHS	Y	Y	Y	Y
WEEE	Y	Y	Y	Y
IEC60068-2-32(Free Fall)	Y	Y	Y	Y
IEC60068-2-27(Shock)	Y	Y	Y	Y
IEC60068-2-6(Vibration)	Y	Y	Y	Y

Industrial Media converter

Industrial Media converter



HARDWARE FEATURES	ICMC-1011-G	ICPC-1011G	IPSI-1011-GH
10/100/1000T	1	1	1
1000M SFP	1	1	
100/1000 Dual Speed SFP			
Giga Dual Speed SFP			
10/100 Dual Speed SFP Combo			
10/100TX Uplink			
100FX Uplink			
10/100/1000TX			
1000M SFP			
POE			
802.3at/af		1	1
802.3at			
Power Supply	48~56VDC	48~56VDC	48~56VDC
Mechanism			
Operating Temperature	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F	-40°C~75°C -40°F~167°F
Storage Temperature	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F	-40°C~85°C -40°F~185°F
IP Rating	IP30	IP30	IP30
Case Dimension (W) x(D) x (H)	32x81.5x103mm	32x81.5x103mm	32x81.5x103.5mm
DIN Rail Installation	Y	Y	Y
Wall Mount Installation	Y	Y	Y
Certification			
CE	Y	Y	Y
FCC	Y	Y	Y
ROHS	Y	Y	Y
WEEE	Y	Y	Y
IEC60068-2-32(Free Fall)	Y	Y	Y
IEC60068-2-27(Shock)	Y	Y	Y
IEC60068-2-6(Vibration)	Y	Y	Y



Interface	IDAM-2004D	IDAM-2008AD
□Communication	RS485	RS485
Transfer Rate	MODBUS RTU and ASCII Command	MODBUS RTU and ASCII Command
Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 115200	1200, 2400, 4800, 9600, 19200, 38400, 115200
LED Indicator	LED for Power and 16 LEDs as Digital indicators	LED for Power and 16 LEDs as Digital indicators
Isolation Voltage	3000VDC	3000VDC
Digital output		
Relay Channels	4 Relay Output	
Relay Type	RL1,RL2 Form-A, RL3,RL4 Form-C	
Output Channels		8 Non-isolated output channels
Output Type		Open collector (NPN)
Contact Rating	AC 0.6A/125V ,0.3A/250V DC 2A/30VDC ,0.6A/110V	
Breakdown Voltage	OPEN Contacts : 500Vrms Contacts and coil : 1000Vrms	
FCC surge voltage	Contacts and coil : 1500V	
Insulation Resistance	100M ohm(at 500VDC)	
Operate Time	3ms	
Release Time	2ms	
Min. Operations	500000 (At 2A/30VDC) time	
Digital Input		
Input Channels	4 Isolated input channels	8 Non-isolated output channels
Logical Low	+1V max.	+1V max.
Logical High	Open collector	+3.5V ~ +30V
Input Impedance	3K ohms	
Isolation Voltage	3750Vrms	
Power Requirement		
Power Consumption	1.5 W/Typical	1.5 W/Typical
Power Input	+10 ~ +30 VDC	+10 ~ +30 VDC
Humidity	5 ~ 95% RH, non-condensing	5 ~ 95% RH, non-condensing
Fan Number	0	0

Industrial Power&Accessories

Industrial Power Pack	DRP-240	DRP-120-48	DR-75-48
OUTPUT			
DC VOLTAGE	24V	24V	48V
RATED CURRENT	10A	2.5A	1.6A
RATED POWER	240W	120W	76.8W
VOLTAGE ADJ. RANGE Note.7	48~53V	48~53V	48V~53V
INPUT			
VOLTAGE RANGE Note.5	85~264VAC 120~370VDC	88~132VAC /176~264VAC 248~370VDC	85~264VAC 120~370VDC
FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz
PROTECTION			
□ OVERLOAD	105~150%rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	105~150%rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	105~150%rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed
OVER VOLTAGE	30~36VProtection type : Shut down o/p voltage, re-power on to recover	58~65VProtection type : Shut down o/p voltage, re-power on to recover	58~65VProtection type : Shut down o/p voltage, re-power on to recover
OVER TEMPERATURE	85°C± 5°C (TSW1) detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	90°C± 5°C (TSW1) detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	85°C± 5°C (TSW1) detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT			
WORKING TEMP.	-10 ~ +70°C (Refer to output load derating curve)	-10 ~ +60°C (Refer to output load derating curve)	-10 ~ +60°C (Refer to output load derating curve)
WORKING HUMIDITY	20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing
STORAGE TEMP., HUMIDITY	-20 ~ +85 , 10 ~ 95% RH	-20 ~ +85 , 10 ~ 95% RH	-20 ~ +85 , 10 ~ 95% RH
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6
SAFETY & EMC			
SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 approved	UL508, UL60950-1, TUV EN60950-1 approved	UL508, UL60950-1, TUV EN60950-1 approved
EMI CONDUCTICN&	Compliance to EN55011,	Compliance to EN55011,	Compliance to EN55011,
RADIATION	EN55022(CISPR22)classB	EN55022(CISPR22)classB	EN55022(CISPR22)classB
HARMONICCURRENT	Compliance to EN61000-3-2,-3	Compliance to EN61000-3-2,-3	Compliance to EN61000-3-2,-3
EMC IMMUNITY	Compliance to EN61000-4-2,3,4, 5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A	Compliance to EN61000-4-2,3,4, 5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A	Compliance to EN61000-4-2,3,4, 5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A
OTHERS			
MTBF	289.9Khrs min MIL-HDBK-217F (25°C)	432.1Khrs min. MIL-HDBK-217F (25°C)	123.1Khrs min. MIL-HDBK-217F (25°C)
DIMENSION	125.5*125.2*100mm(W*H*D)	65.5*125.2*100mm (W*H*D)	55.5*125.2*100mm (W*H*D)
PACKING	1.2Kg; 12pcs / 15.5Kg / 1.29CUFT	0.79Kg; 20pcs/16.5Kg/1.29CUFT	0.6Kg; 20pcs/13Kg/1.29CUFT

SFP (Mini GBIC)



SFP 125Mbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
CT-100-MM2	1310nm	FP	AC/AC	TTL	Multi-mode	2km	-10~70 ° c
CT-100-MM5	1310nm	FP	AC/AC	TTL	Multi-mode	5km	-10~70 ° c
CT-100-SM30	1310nm	FP	AC/AC	TTL	Single-mode	30km	-10~70 ° c

SFP 1.25Gbps

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
CT-1000-SX	850nm	VCSEL			Multi-mode	550m	
CT-1000-MM2	1310nm	FP			Multi-mode	2km	
CT-1000-MM10	1310nm	FP			10km		
CT-1000-MM40	1310nm	DFB			40km		
CT-1000-MM50	1550nm	DFB			50km		-10~70 ° c
CT-1000-MM60	1550nm	DFB			60km		
CT-1000-MM80	1550nm	DFB			80km		
CT-1000-MM120	1550nm	DFB			120km		

SFP 1000T

Part Number	Description
CT-1000-TX	10-100/1000Base-T,SFP,100m,3.3V, -10~70 ° c
CT-1000-TXI	10-100/1000Base-T,SFP,100m,3.3V, -40~85 ° c

BiDi SFP 1.25Gbps/125Mbps

Part Number	TX	LD	RX	IO	LOS	Link	Temp.
CT-13-BD-10		FP				10km	
CT-13-BD-20		FP				20km	
CT-13-BD-40	1310nm	DFP				40km	-10~70 ° c
CT-13-BD-60		DFP				60km	
CT-14-BD-80	1490nm	DFP				80km	
CT-13-BDI-10		FP				10km	
CT-13-BDI-20		FP				20km	
CT-13-BDI-40	1310nm	DFP				40km	-40~85 ° c
CT-13-BDI-60		DFP				60km	
CT-14-BDI-80	1490nm	DFP				80km	
CT-15-BD-10						10km	
CT-15-BD-20						20km	
CT-15-BD-40	1550nm	DFP	1310nm			40km	-10~70 ° c
CT-15-BD-60						60km	
CT-15-BD-80			1490nm			80km	
CT-15-BDI-10						10km	
CT-15-BDI-20						20km	
CT-15-BDI-40	1550nm	DFP	1310nm			40km	-40~85 ° c
CT-15-BDI-60						60km	
CT-15-BDI-80			1490nm			80km	

125Mbps/1.25Gbps Dual-rate

Part Number	Wavelength	LD	IO	LOS	Mode	Link	Temp.
CT-13-DR-SM10	1310nm	FP	AC/AC	TTL		10km	-10~70 ° c
CT-13-DRI-SM10	1310nm	FP	AC/AC	TTL		10km	-40~85 ° c