SR-1110-XT DIN Rail Media Converters

omperle.com/products/media-converters/sr-1110xt-din-rail-copper-fiber-converters.shtml

Industrial Rate Converting Copper to Fiber Converters

- 10/100/1000Base-T to 1000Base-X Fiber Media Converters
- Connect 10/100 devices to Gigabit backbone
- · Link copper to multimode or single mode fiber
- Dual fiber ST/SC or Single fiber SC connectors
- Extend network distances up to 10km
- -40C to +75C (-40F to +167F) extended operating temperature
- Advanced Features: Link Pass-Through, Far-End Fault, Auto-MDIX
- Triple Power Input: Dual Terminal block power connector & T-Bus



Perle SR-1110-XT DIN Rail Media Converters transparently connect UTP copper to fiber in industrial grade operating temperatures -40F to +167F (-40C to +75C). Equipment found in traffic management, oil and gas pipelines, weather tracking, industrial and outdoor applications must function in temperatures that cannot be supported by a commercial based media converter. These Rate Converting Media Converters are ideal for use with industrial devices subjected to harsh environments and severe temperatures such as security cameras, wireless access points, alarms, traffic controllers, sensors and tracking devices.

- Extend the data transmission distance of IP-based devices by connecting their 10/100/1000Base-T copper interface to gigabit fiber.
- Enable Gigabit speeds across a multimode fiber link up to 2km in length (learn more)
- Extend the distance of an existing industrial network by linking CAT5/6/7 cabling to multimode or single mode fiber.
- Protect Ethernet data from EMI noise and interference by inter-connecting your copper-Ethernet devices over fiber in industrial plants.

An SR-1110-XT Media Converter is also available with an SFP slot.

Network Administrators can "see-everything" with Perle's advanced features such as Auto-Negotiation, Auto-MDIX, Link Pass-Through, Far End Fault, and Pause which make the end to end link completely transparent. This allows for more efficient troubleshooting and less on-site maintenance. These cost and time saving features, along with a lifetime warranty and free worldwide technical support, make **SR-1110-XT Rate Converting Media Converters** the smart choice for IT professionals.

SR-1110-XT Fiber Media Converter Features: 10/100/1000Base-T to 1000Base-X

Fully designed to	Perle SR-1110-XT Industrial Media Converters only use components that are fully qualified and rated to operate in -40F to +167F.
extreme temperatures	There are other products on the market that claim to operate at -40F to +167F however, they use "commercial-grade" components that have not been qualified by the manufacturer (OEM) to operate at the claimed temperature ranges. When "commercial-grade" parts are exposed to extremely high or low temperatures, product failures are inevitable. For example, integrated circuits on the PCB overheat causing premature failures. Under-rated connectors do not allow for proper contact between the device and the cables. These failures eventually stop all data communications in these high and low temperature environments.
	By choosing Pene you can be confident you will not be subjected to triese failures.
DIN Rail Enclosure	Easily mount on a DIN rail or inside distribution boxes using native DIN Rail enclosure with grounding clip. No need for add-on brackets.
Auto- Negotiation	The media converter supports auto negotiation. The 1000Base-X fiber interface negotiates according to 802.3 clause 37. The 10/100/1000Base-T negotiates according to 802.3 clause 28 and 40. The 1000Base-X will link up with its partner after the highest common denominator (HCD) is reached and the copper has linked up with its partner. The 1000Base-X will continue to cycle through negotiation transmitting a remote fault of offline (provided this is enabled through the switch setting) until the copper is linked up and the HCDs match.
	The media converter supports auto-negotiation of full duplex, half duplex, remote fault, full duplex pause, asymmetric pause and Auto MDI-X.
Auto-MDIX	Auto-MDIX (automatic medium-dependant interface crossover) detects the signaling on the copper ethernet interface to determine the type of cable connected (straight-through or crossover) and automatically configures the connection when enabled. The media converter can also correct for wires swapped within a pair.
	The media converter will adjust for up to 120ns of delay skew between the 1000Base-T pairs.
Smart Link Pass- Through	When Smart Link Pass-Through mode is enable, the Ethernet copper port will reflect the state of the Ethernet fiber media converter port. This feature can be used whether fiber auto-negotiation is enabled or disabled.
Fiber Fault Alert	With Fiber Fault Alert the state of the 1000Base-X receiver is passed to the 1000Base-X transmitter. This provides fault notification to the partner device attached to the 1000Base-X interface of the media converter. If the 1000Base-X transmitter is off, as a result of this fault, it will be turned on periodically to allow the condition to clear should the partner device on the 1000Base-X be using a similar technique. This eliminates the possibility of lockouts that occur with some media converters. Applies only when fiber auto-negotiation is disabled.
Pause (IEEE 802.3xy)	Pause signaling is an IEEE feature that temporarily suspends data transmission between two devices in the event that one of the devices becomes overwhelmed. The media converter supports pause negotiation on the 10/100/1000Base-T copper connection and 1000Base-X fiber connection.
Duplex	Full and half duplex operation supported.

Jumbo Packets	Transparent to jumbo packets up to 10KB.
VLAN	Transparent to VLAN tagged packets.
Remote LoopBack	Capable of performing a loopback on the 1000Base-X fiber interface.

Hardware Specifications: SR-1110-XT Media Converters

Power	
Input Supply Voltage	Triple voltage 12 / 24 / 48 VDC (9.6 – 60 VDC) input supporting: a) 2 x Terminal Block power input and b) 1 x T-Bus power input
Current	0.09 A (@ 24VDC)
Power Consumption	2.16 watts (@ 24VDC)
Power Connector	Dual input Terminal Block and/or T-Bus
Indicators	
Power / TST	This green LED is turned on when power is applied to the media converter. Otherwise it is off. The LED will blink fast/slow when in Loopback test mode or hardware error.
Fiber link on / Receive activity (LKF)	On: Fiber link present. Blinking slowly: Fiber link disabled because of copper link loss. Blinking quickly: Fiber link present and receiving data. Off: No fiber link present
Copper link on / Receive activity (LKC)	On: Fiber link present. Blinking slowly: Fiber link disabled because of copper link loss. Blinking quickly: Fiber link present and receiving data. Off: No fiber link present
Link Pass- Through (LKP)	On: Copper link is present. Blinking slowly: Copper link disabled because of fiber link loss. Blinking quickly: Copper link present and receiving data. Off: No copper link present
10/100/1000 Copper Speed (SP)	Green: 1000 Mbps, Yellow: 100 Mbps, Off: 10 Mbps
Copper Link Activity (LK)	On: Copper link is present, Blinking quickly: Copper link receiving data

Switches - accessible by sliding the chassis open



Cables and Conn	octors
	10: The media converter will force the speed to 10 Mbps
Copper Speed	100 (Default-Up): In this mode, when Auto Neg (copper) is set to off, the media converter will use this switch setting for its Ethernet copper speed connection.The media converter will force the speed to 100 Mbps.
	Half: The media converter will be set to Half Duplex mode
Duplex Mode	Full (Default-Up): In this mode, when Auto Negotiation is set to off, the media converter will be set to Full Duplex mode.
	Disabled: In this mode, the media converter will not monitor for fiber fault.
	on the fiber receiver will result in bringing down the copper link, which will in turn cause the transmi fiber link to be brought down.
	through to the local copper connection to notify the connected device. If the media converter has been set to Smart Link Pass-Through mode, the effect will be the same as FFA since the link loss
	remote media converter is set up for FFA Enabled and the local media converter is set up with Smart Link Pass-Through, a loss of fiber link on either the transmit or receive line will be passed
Fiber Fault Alert	Enabled (Default-Up): In this mode, when Fiber negotiation is turned on, if the media converter detects a loss of fiber signal on the fiber receiver it will immediately disable its fiber transmitter signal. This potifies the fiber link partner that an error condition exists on the fiber connection. If the
	Enabled: This is a test mode. All data received on the receive (RX) fiber connection is looped back to the transmit (TX) fiber connection. The state of the copper is not relevant and no data or link status is passed through to the copper side.
Loopback	Disabled (Default-Up): The loopback feature is disabled. This is the normal position for regular operation. The switch must be set to this position for data to pass through the media converter.
	down independently of each other. A loss of link on either the fiber link or copper link can take place without affecting the other connection.
	Standard Mode (Dwon): In this mode the links on the fiber and copper sides can be brought up and
	a media converter on both ends of the fiber link and both are setup for Smart Link Pass-Through, then a loss of copper link on the far end device will propagate through both media converters and will result in a loss of link at the near end device. This would, therefore, resemble a direct copper connection.
Through	reflected through the media converter to the other connection. If link is lost on one of the connections, then the other link will be brought down by the media converter. If the installation has
Smart Link Daga	copper link negotiations.
	Off: Copper Negotiation should only be turned off, if the copper link partner does not support
	parameters on both the copper and the fiber connection. This will ensure the most optimal connection parameters will be in effect. If connecting to another Perle Gigabit Media Converter, this parameter should be set to Auto.
Auto-Negotiation	Auto (Deafault-Up): In this mode of operation the media converter will negotiate Ethernet

10/100/1000Base- T	RJ45 connector 2 pair CAT 5 (UTP or STP) or better cable for 10/100 Mbps 4 pair CAT 5 (UTP or STP) or better cable for 10/100/1000 Mbps
Fixed Fiber	Dual multimode or single mode (Duplex) fiber - SC, ST Single strand fiber (Simplex) – SC
Magnetic Isolation	1.5kv
Fiber Optic Cable	Multimode: 62.5 / 125, 50/125, 85/125, 100/140 micron Single Mode: 9/125 micron (ITu-T 625)
Filtering	
Filtering	1024 MAC Addresses
Frame Specification	ons
Buffer	1000 Kbits frame buffer memory
Size	Maximum frame size of 10,240 bytes Gigabit Maximum frame size of 2048 bytes Fast Ethernet
Packet Transmissi	on Characteristics
Bit Error Rate (BER)	<10 -12
Environmental Spe	ecifications
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	
Otorage Humany	5% to 95% non-condensing
Operating Altitude	5% to 95% non-condensing Up to 3,048 meters (10,000 feet)
Operating Altitude Heat Output (BTU/HR)	5% to 95% non-condensing Up to 3,048 meters (10,000 feet) 7.37
Operating Altitude Heat Output (BTU/HR) MTBF (Hours)	5% to 95% non-condensing Up to 3,048 meters (10,000 feet) 7.37 564,766 (Calculation model based on MIL-HDBK-217-FN2 @ 30 °C)
Operating Altitude Heat Output (BTU/HR) MTBF (Hours) Chassis	5% to 95% non-condensing Up to 3,048 meters (10,000 feet) 7.37 564,766 (Calculation model based on MIL-HDBK-217-FN2 @ 30 °C) Molded plastic DIN Rail case with an IP20 ingress protection rating
Operating Altitude Heat Output (BTU/HR) MTBF (Hours) Chassis Mounting	5% to 95% non-condensing Up to 3,048 meters (10,000 feet) 7.37 564,766 (Calculation model based on MIL-HDBK-217-FN2 @ 30 °C) Molded plastic DIN Rail case with an IP20 ingress protection rating
Operating Altitude Heat Output (BTU/HR) MTBF (Hours) Chassis Mounting Din Rail Kit	5% to 95% non-condensing Up to 3,048 meters (10,000 feet) 7.37 564,766 (Calculation model based on MIL-HDBK-217-FN2 @ 30 °C) Molded plastic DIN Rail case with an IP20 ingress protection rating Native

Weight	0.12 kg, 0.26 lbs
Dimensions	114 x 100 x 22.5mm, 4.5 x 3.9 x 0.88 inches
Packaging	
Shipping Weight	0.17 kg, 0.37 lbs
Shipping Dimensions	145 x 105 x 30 mm, 5.7 x 4.1 x 1.2 inches
Regulatory Approv	vals
Emissions	FCC 47 Part 15 Class A, EN55032 (CISPR32) Class A EN55011 (CISPR11) ICES-003 EN61000-6-4 (Emissions for industrial environments) CISPR 32:2015/EN 55032:2015 (Class A) CISPR 24:2010/EN 55024:2010 EN61000-3-2
Immunity	EN55024 EN 61000-4-2 (ESD) EN 61000-4-3 (RS) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-8 (PFMF) EN 61000-4-11 IEC/EN 61000-6-2 (General Immunity for Industrial Environments)
Electrical Safety	IEC 62368-1(ed 2) EN 62368-1:2014 CE
Laser Safety	EN 60825-1:2007
	Fiber optic transmitters on this device meet Class 1 Laser safety requirements per IEC-60825 FDA/CDRH standards and comply with 21CFR1040.10 and 21CFR1040.11.
Environmental	Reach, RoHS and WEEE Compliant
Other	ECCN: 5A991
	HTSUS Number: 8517.62.0020
	Perle Limited Lifetime Warranty

Gigabit to IP Cameras

Connect 10/100/1000 IP Cameras to Gigabit Backbone

Extend the reach to IP cameras using industrial fiber media converters. Security cameras are typically installed in remote locations where extremely high or low temperatures are a concern -- ceilings, rooftops, light poles, along fences, pipelines and transit routes.

Stand-alone Extended Temperature Media Converters are placed at the remote end connecting cameras with copper interfaces to fiber optic cabling. The fiber can extend the distance up to 10 kilometers using single mode or multimode fiber back to a control center. A media converter chassis located in the data closet at the control center accepts the fiber signal, converts it, and connects to the copper equipment at the main site.



Gigabit Fiber to Wireless Access Points

Connect 10/100/1000 Wireless Access Points to Gigabit Backbone

Extend the reach to wireless access points (AP) using fiber media converters. When a company deploys a wireless network in their office or large warehouse, APs need to be set up throughout the facility to ensure complete coverage for reliability. The network manager will likely need to extend further than the 100 meters allowed by copper cable to reach many of the APs.

When APs are used in industrial environments where extremely high or low temperatures are a concern, Stand-alone Extended Temperature Media Converters are placed at the remote end connecting APs with copper interfaces to fiber optic cabling. The fiber can extend the distance up to 10 kilometers using single mode or multimode fiber back to a control center. A media converter chassis located in the data closet at the control center accepts the fiber signal, converts it, and connects to the copper equipment at the main site.



Bridge 10/100 Devices to gigabit Backbone

Connect 10/100 devices to Gigabit Backbone

Industrial switches are often used in environments where extremely high or low temperatures are a concern. Devices in an industrial environment can be connected to a Fast Ethernet or Gigabit backbone through the use of rate converting Industrial Temperature Media Converters.



UTP Switch to Fiber Switch

Interconnect a UTP Switch with a Fiber Switch

A media converter can interconnect a UTP copper based Switch port to a remote switch that has integrated fiber.



Switch to Gigabit Server

Extend the network distance between a Switch and a File Server

Two Ethernet Media Converters can extend the distance between a Switch and a File Server across a fiber link up to 10Km in length.



Direct Connect - Long Distance

Direct Connection between two remote devices

With a pair of Media Converters two devices, such as file servers, can be connected up to 10km away across a fiber link.



Enterprise Infrastructure

Enterprise Infrastructure using Fiber Optics

Create a fiber infrastructure for your enterprise network without any wholesale replacement of existing copper-based equipment.



Connect copper ports over a single fiber strand (also referred to as "Bi-Directional" BiDi)

When Single Strand fiber is used, a pair of Single Fiber Media Converters is needed for the copper to fiber conversion. Perle Single Fiber Media Converters are also referred to as "Up/Down" models. For example the S-1110-SC10U ("Up") and S-1110-SC10D ("Down"), shown below, must be used in pairs. An "Up" must be matched with a "Down" peer to deal with transmit and receive frequencies separately.



S-1110-SC10US-1110-SC10D

The majority of installations for single mode fiber media converters are of the "dual connector" or "dual fiber" type where one fiber connection is used for transmit, the other for receive. These are physically "crossed" to match up the Transmit/Receive links.

However, to reduce costs, or where there are limits on available fiber, WDM technology may be utilized. WDM uses separate transmit and receive frequencies to communicate on a single fiber strand. WDM technology relies on the fact that optical fibers can carry many wavelengths of light simultaneously without interaction between each wavelength. Thus, a single fiber can carry many separate wavelength signals or channels simultaneously.

So remember, if Single Strand fiber is used, you will need an "**Up**" Media Converter on one side and a "**Down**" Media Converter on the other for copper to fiber conversion.

Perle offers a wide variety of Single Fiber ("**U**p/**D**own") Media Converters to connect 10BaseT, Fast Ethernet and Gigabit to single fiber. Whether you need Managed or Unmanaged, Standalone or Modular Chassis Based, 20km or 120km, Perle has the right model to meet your fiber conversion requirement.

Select a Model to obtain a Part Number - SR-1110-XT DIN Rail Media Converters

Dual Fiber Models

			Tran (dBn	smit ı)	Receive (dBm) P		Power Budget	Movelopeth	F iber	Core	Modal Bandwidth	Operating
Model	Connector	Туре	Min	Мах	Min	Мах	(dBm)	(nm)	Туре	(um)	(MHz* Km)	Distance
SR- 1110-	Dual SC	1000Base- SX	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	62.5	160	220 m (722 ft)
3005- XT										62.5	200	275 m (902 ft)
										50	400	500 m (1,640 ft)
									50	50	500	550 m (1,804 ft)
										50	2000	1000 m (3281 ft)

SR- 1110-	Dual ST	1000Base- SX	-9.5	-3.0	-20.0	-3.0	3.0 10.5	850	MMF	62.5	160	220 m (722 ft)
XT										62.5	200	275 m (902 ft)
										50	400	500 m (1,640 ft)
										50	500	550 m (1,804 ft)
										50	2000	1000 m (3281 ft)
SR- 1110-	Dual SC	1000Base- LX/LH	-9.5	-3.0	-20.0	-3.0	10.5	1310	MMF*	62.5	500	550 m (1804 ft)
XT										50	400	550 m (1,804 ft)
										50	400	550 m (1,804 ft)
									SMF	**	-	10 km (6.2 mi)
SR- 1110-	Dual ST	1000Base- LX/LH	-9.5	-3.0	-20.0	-3.0	10.5	1310	MMF*	62.5	500	550 m (1804 ft)
XT										50	400	550 m (1,804 ft)
										50	400	550 m (1,804 ft)
									SMF	**	-	10 km (6.2 mi)

Single Fiber Models Recommended use in pairs

			Transmit (dBm)		Receive (dBm)		Power Budget	Wayolongth	Fibor	Core	Modal Bandwidth	Operating
Model	Connector	Туре	Min	Мах	Min	Мах	(dBm)	(nm)	Туре	(um)	(MHz* Km)	Distance
SR- 1110- SC10U- XT	Single SC	1000Base- BX-U	-9.0	-3.0	-20.0	-3.0	11.0	1310 / 1490	SMF	**	-	10 km (6.2 mi)

SR-	Single SC	1000Base-	-9.0	-3.0	-20.0	-3.0	11.0	1490 / 1310	SMF	**	-	10 km
1110-		BX-D										(6.2 mi)
SC10D-												
ХТ												

*A mode-conditioning adapter as specified by the IEEE standard, is required regardless of the span length. Note how the mode conditioning adapter for 62.5-um fibers has a different specification from the mode-conditioning adapter for 50-um fibers.

**ITU-T G.652 SMF as specified by the IEEE 802.3z standard.

Part Number	Media Converter Accessories
29029928	UNO-PS/1AC/24DC/60W DIN-Rail Power Supply: 24 VDC, 60 Watt with universal 85 to 264 VAC, -25 to 70°C extended operating temperature.
29043768	UNO-P/1AC/24DC/150W Power Supply - DIN-Rail 24 VDC,150 Watt power supply with universal 85 to 264 VAC, -25 to 70°C extended operating temperature
28664918	TRIO-PS/1AC/48DC/5 DIN-Rail Power Supply: 48 VDC, 240 Watt with universal 85 to 264 VAC, 30 to 56V DC output range adjustable, -25 to 70°C extended operating temperature.
28665018	TRIO-PS/1AC/48DC/10 Power Supply - DIN-Rail 48 VDC , 480 Watt power supply with universal 85 to 264 VAC, 30 to 56V DC output range adjustable, -25 to 70°C extended operating temperature
28669838	MINI-SYS-PS-100-240AC/24DC/1.5 Power Supply - For use with modular TBUS DIN rail connector system. 24VDC / 1.5 A, 36 Watts with universal 85 to 264 VAC, -25 °C to 70 °C extended operating temperature
22038528	ME225TBUS15/4P1SBK - TBUS DIN Rail Connector - Transmit power voltage and data across the bus. 4 parallel positions and 1 serial position. UL 8A / cUL 6A, 150 V. Width 22.5cm. Carton of 5. For use with SR and SRS DIN Rail Media Converters.

Product Image	Description	Power Cord	Product Number
	SR-1110-SC05-XT - 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE- T (RJ-45) [100 m/328 ft] to 1000BASE-SX 850nm multimode (SC) [550 m/1804 ft], -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091900
	SR-1110-ST05-XT - 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE- T (RJ-45) [100 m/328 ft] to 1000BASE-SX 850nm multimode (ST) [550 m/1804 ft], -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091910

Product Image	Description	Power Cord	Product Number
	SR-1110-SC10-XT- 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE-T (RJ-45) [100 m/328 ft] to 1000BASE-LX/LH 1310 nm single mode (SC) [10 km/6.2 miles] , -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091920
	SR-1110-ST10-XT - 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE- T (RJ-45) [100 m/328 ft] to 1000BASE-LX/LH 1310 nm single mode (ST) [10 km/6.2 miles], -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091930
	SR-1110-SC10U-XT - 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE-T (RJ-45) [100 m/328 ft] to 1000BASE-BX 1310nm TX / 1490nm RX single strand fiber, single mode (SC) [10 km/6.2 miles], -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091940
	SR-1110-SC10D-XT - 10/100/1000 Industrial Media Rate Converter: 10/100/1000BASE-T (RJ-45) [100 m/328 ft] to 1000BASE-BX 1490nm TX / 1310nm RX single strand fiber, single mode (SC) [10 km/6.2 miles], -40F to +167F (-40C to +75C) extended operating temperature support. DIN Rail case, terminal block (Combicon) power connector for external power source	None	05091950

Accessories

Accessory Image	Description	Model Number	Accessory Number			
Power Supply						
and the second s	TRIO-PS/1AC/48DC/5 DIN-Rail Power Supply: 48 VDC, 240 Watt with universal 85 to 264 VAC, 30 to 56V DC output range adjustable, -25 to 70°C extended operating temperature.	TRIO- PS/1AC/48DC/5 Power Supply	28664918			

Accessory Image	Description	Model Number	Accessory Number
	TRIO-PS/1AC/48DC/10 Power Supply - DIN-Rail 48 VDC , 480 Watt power supply with universal 85 to 264 VAC, 30 to 56V DC output range adjustable, -25 to 70°C extended operating temperature	TRIO- PS/1AC/48DC/10 Power Supply	28665018
	MINI-SYS-PS-100-240AC/24DC/1.5 Power Supply - For use with modular TBUS DIN rail connector system. 24VDC / 1.5 A, 36 Watts with universal 85 to 264 VAC, -25 °C to 70 °C extended operating temperature	MINI-SYS-PS-100- 240AC/24DC/1.5 Power Supply	28669838
E manue ; III ;	UNO-PS/1AC/24DC/60W DIN-Rail Power Supply: 24 VDC, 60 Watt with universal 85 to 264 VAC, -25 to 70°C extended operating temperature.	UNO- PS/1AC/24DC/60W Power Supply	29029928
til in an	UNO-PS/1AC/24DC/150W Power Supply - DIN-Rail 24 VDC , 150 Watt power supply with universal 85 to 264 VAC, -25 to 70°C extended operating temperature	UNO- PS/1AC/24DC/150W Power Supply	29043768

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