

Commutateur Ethernet Gigabit industriel 5 ports | IDS-105G

 perlesystems.fr/products/switches/5-port-industrial-gigabit-ethernet-switch.shtml

IDS-105G – Industrial Gigabit Switch

Commutateur rail DIN compact 5 à 7 ports

- 5 port 10/100/1000Base-T (RJ45)
- 5 port 10/100/1000Base-T (RJ45) avec 1 ou 2 ports fibre Gigabit (SC/ST/SFP)
- Certification pour emplacement dangereux et équipement de contrôle industriel
- Boîtier aluminium IP30 résistant à la corrosion
- Alimentation double redondante 12/24/48 VDC, 18 à 30 VAC
- Protection contre les surcharges de courant et les inversions de polarité
- Prise en charge des températures d'exploitation industrielles de -40 à 75C



Les **Commutateurs Ethernet industriels Perle** sont conçus pour résister aux **températures extrêmes, pics, vibrations, et chocs** présents dans les **applications industrielles d'automatisation, gouvernementales, militaires, pétrolières et du gaz, minières et à l'extérieur.**

IDS-105G est un commutateur Gigabit Ethernet industriel 5 à 7 ports fournissant une performance avancée autorisant une exploitation réseau déterministe en temps réel. Il n'exige aucune configuration et fonctionne immédiatement, dès sa mise sous tension.

IDS-105G est proposé en différents modèles avec 5 ports cuivre plus 1 port fibre ou 5 ports cuivre plus 2 ports fibre. Tous les modèles sont des **commutateurs robustes sans ventilateur** destinés à une utilisation industrielle pour une fiabilité supérieure **de 0 à 60 °C, ou** dans des températures d'exploitation de **-40 à 75 °C.**

Perle conçoit du **matériel industriel pour les environnements** série ModBus et de conversion Profinet à Ethernet **depuis plus de 35 ans** et utilise cette expertise pour concevoir les **commutateurs Ethernet les plus robustes du marché.** Ne confiez pas vos communications critiques à des commutateurs classiques. Les commutateurs Ethernet industriels de Perle vous donnent une garantie de fonctionnement fiable de votre système pour plusieurs années.

Fonctions du Commutateur Industriel Gigabit Ethernet IDS-105G

Conception robuste pour les environnements agressifs	• Boîtier aluminium IP30 résistant à la corrosion • Certification UL508A de sécurité des équipements de contrôle industriel • Les lieux dangereux - Classe 1/Div2, ATEX Classe 1/Zone 2
Fonctionnement fiable	• Sans ventilateur, pas de pièces mouvantes • Double alimentation. • Connexion à des sources d'alimentation séparée pour la redondance. • Protection contre l'inversion de polarité • Protection contre les surcharges de courant • Prend en charge les conditions de vibration et de choc que l'on trouve dans les environnements industriels
Performance Ethernet en temps réel	• Transmission à la vitesse du fil, commutation stockage et transfert, architecture non bloquante • Auto-détection pour vitesse et duplex • Auto-mdi/mdix-crossover fonctionne avec les câbles droits et croisés
Trames étendues	Prend en charge les trames étendues jusqu'à 10 Ko
Energy Efficient Ethernet (EEE)	Energy Efficient Ethernet (EEE) conforme à 802.3az. Permet d'obtenir des économies d'énergie pendant les périodes d'inactivité du réseau.

Power

Dual Power Input	Both inputs draw power simultaneously. If one power source fails, the other backup, supply enough power to meet the operational needs of the switch. 12/24/48 VDC Nominal. (9.6 to 60 VDC) 18 to 30 VAC
Power Connector	4-Pin Removable Terminal Block Grounding screw on metal chassis
Maximum Current Consumption @24 vDC	500 mA
Maximum Power Consumption @24 vDC	12.0 Watts
Overload Current Protection	Reset-able fuse provides overload current protection

Reverse polarity protection	The positive and negative inputs can be reversed providing safe and simple
-----------------------------	--

Access Ports

RJ45	5 shielded RJ45 ports for 10/100/1000Base-T up to 100 meters (328 ft) Auto-negotiation Auto-MDI/MDIX-crossover for use with either crossover or straight-through Ethernet isolation 1500 V
------	--

Small Form Factor Pluggable (SFP) slot(s)	1 or 2 empty SFP slot models for 1000Base-X <u>SFP modules supplied by MSA compliant SFPs</u>
---	---

Fixed Fiber port	1 x fixed fiber port Duplex SC or ST connector - Multimode 50/125 or 62.5/125 micron fiber cable - Single mode 9/125 micron fiber cable Simplex (BIDI, single strand) SC connector - Multimode 50/125 or 62.5/125 micron fiber cable - Single mode 9/125 micron fiber cable PC and UPC type patch cords supported.
------------------	---

Fixed Fiber Port Specs

Fiber1 Type	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wavelength (nm)	IEEE
	Min	Max	Min	Max			
MMF (Duplex SC/ST)	-9.5	-4.0	-17.0	-3.0	7.5	850	1000Base-SX

MMF (Duplex SC/ST)	-6.0	0.0	-17.0	0.0	11.0	1310	1000Base-LX
--------------------	------	-----	-------	-----	------	------	-------------

SMF (Duplex SC/ST)	-9.5	-3.0	-20.0	-3.0	10.5	1310	1000B ₊ LX/LH
SMF (Simplex SC)	-9.0	-3.0	-20.0	-3.0	11.0	1310 / 1490 1490 / 1310	1000B ₊ BX-U 1000B ₊ BX-D
SMF (Simplex SC)	-8.0	-3.0	-22.0	-3.0	14.0	1310 / 1490 1490 / 1310	1000B ₊ BX-U 1000B ₊ BX-D
SMF (Duplex SC/ST)	-2.0	2.0	-23.0	-3.0	21.0	1310	1000B ₊ EX
SMF (Simplex SC)	-3.0	2.0	-23.0	-3.0	21.0	1310 / 1490 1490 / 1310	1000B ₊ BX-U 1000B ₊ BX-D
SMF (Duplex SC/ST)	-2.0	5.0	-23.0	-3.0	21.0	1550	1000B ₊ ZX
SMF (Simplex SC)	-2.0	3.0	-26.0	-3.0	24.0	1510 / 1590 1590 / 1510	1000B ₊ BX-U 1000B ₊ BX-D
SMF (Duplex SC/ST)	0.0	5.0	-32.0	-9.0	32.0	1550	1000B ₊ ZX
SMF (Simplex SC)	-3.0	2.0	-34.0	-9.0	31.0	1510 / 1590 1590 / 1510	1000B ₊ BX-U 1000B ₊ BX-D
SMF (Duplex SC/ST)	2.0	5.0	-34.0	-9.0	36.0	1550	1000B ₊ ZX

* 1db/km multimode fiber cable

** as per ITU-T G.652 SMF specifications

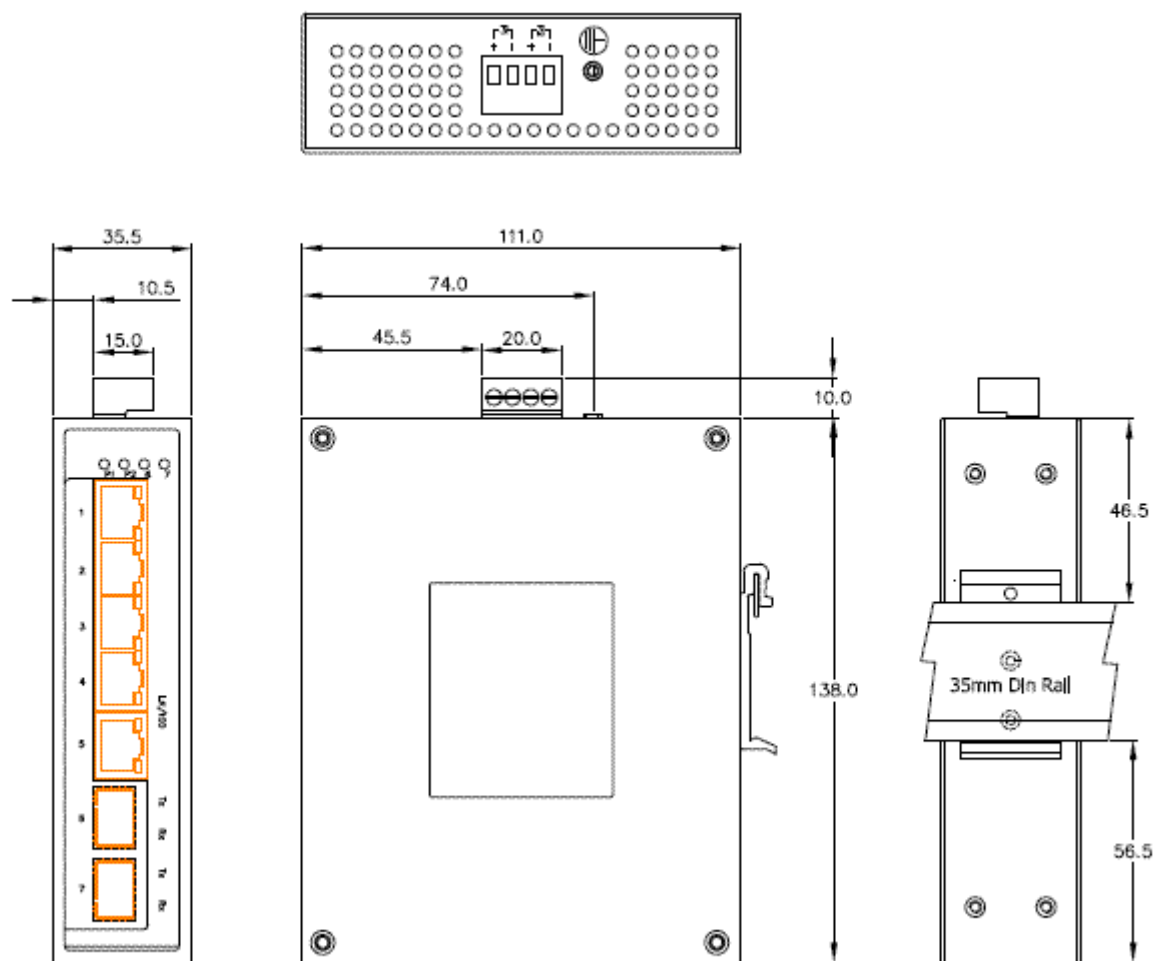
Switch Properties

Standards	• IEEE 802.3 for 10Base-T • IEEE 802.3u for 100Base-TX and 100Base-FX • IEEE 802.3ab for 1000Base-T • Energy Efficient Ethernet (EEE) as per 802.3az. • IEEE 802.3x for Flow Control
Processing Type	Store and Forward, non-blocking architecture
MAC Address Table Size	8K
Packet Buffer Memory	1 Mbit
Jumbo Frame Size	10 KB
Indicators	
P1	This green LED is turned on when power is applied to the power #1 input
P2	This green LED is turned on when power is applied to the power #2 input
RJ45 Ethernet	These integrated colored LEDs indicate link, activity and speed for each
Fiber Link	Fiber link LED indicates Link and Data Activity
Environmental Specifications	
Operating Temperature Ranges	Standard temperature models : 0° C to 60° C (32° F to 140° F). Industrial extended temperature models : -40° C to 75° C (-40 F to 167°
Storage Temperature Range	Minimum range of -25° C to 70° C (-13° F to 158° F). -40 C to 85 C (-40
Operating Humidity Range	5% to 90% non-condensing
Storage Humidity Range	5% to 95% non-condensing
Operating Altitude	Up to 3,048 meters (10,000 feet)
Chassis	Aluminum with an IP30 ingress protection rating
Din Rail Mountable	DIN Rail attachment included. Mounts to standard 35 mm DIN rail in accordance with VDE 0171-1. Removable to accommodate optional Panel/Wall mount kit

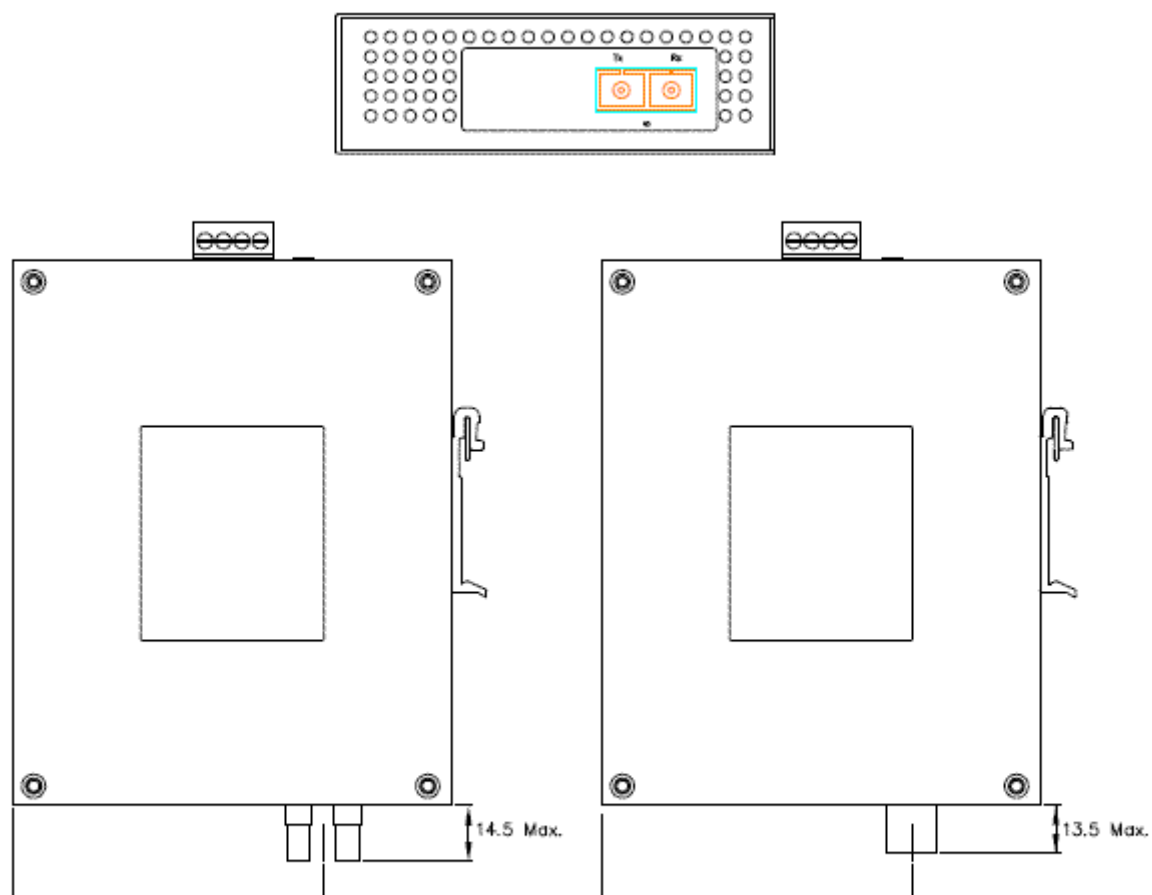
Maximum Heat Output	41 BTU/Hr
MTBF	696,618 hours (without fiber module) 522,423 (with fixed fiber module) 489,383 hours (with 1 SFP slot) 385,036 hours (with 2 SFP slots) <i>MTBF Calculation model based on MIL-HDBK-217-FN2 @ 30 °C</i>
Product Weight and Dimensions	
Weight	0.32 Kg, 0.7 lbs
Dimensions	35.5 x 111 x 138 mm, 1.39 x 4.37 x 5.43 inches
Packaging	
Shipping Weight	0.47 Kg, 1.04 lbs
Shipping Dimensions	170 x 260 x 70 mm, 6.69 x 10.24 x 2.76 inches
Contents Shipped	Industrial Ethernet Switch with DIN Rail attachment Terminal block Installation guide
Standards and Certifications	
Safety	UL/EN/IEC 62368-1 CAN/CSA C22.2 No. 62368-1 UL 60950-1 CSA C22.2 No. 60950-1 IEC 60950-1:2005+A1:2009 and EN 60950-1:2006+A11:2009+A1:2010+A12:2011 CE Mark UL508 (Industrial)
EMC Emissions	FCC 47 Part 15 Class A ICES-0003 CISPR 22:2008/EN55022:2010 (Class A) EN61000-6-4
EMC Immunity	CISPR 24:2010/EN 55024:2010 IEC/EN 61000-4-2 (ESD) : Contact discharge +/- 4kV, Air Discharge +/- IEC/EN 61000-4-3 (RS) : 80 MHz to 2.7 Ghz ; 10V/m, 800 MHz to 1000 IEC/EN 61000-4-4 (EFT) : DC power line +/- 2 kV, Data Line +/- 2kV IEC/EN 61000-4-5 (Surge) : DC power line, Line/Line +/- 1kV, Line/Earth IEC/EN 61000-4-6 (CS) : 150kHz to 80 MHz; 10V IEC/EN 61000-4-8 (Magnetic Field): 30 A/m IEC/EN 61000-6-2 (General Immunity in Industrial Environments)
Industrial Safety	UL508 (Safety standard for Industrial Control Equipment) CSA C22.2 No. 142

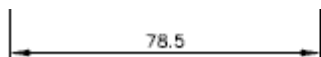
Hazardous Locations (Hazloc)	ANSI/ISA 12.12.01, Class I Division 2 Groups A-D (formerly known as U CSA C22.2 No. 213 ATEX Class I Zone 2, EN60079-0,15
Laser Safety	EN 60825-1 Fiber optic transmitters on this device meet Class 1 Laser safety require standards and comply with 21CFR1040.10 and 21CFR1040.11.
Environmental	<u>Reach, RoHS and WEEE Compliant</u>
Other	ECCN: 5A991
	HTSUS Number: 8517.62.0020
	5 year warranty

IDS-105G avec rail DIN standard

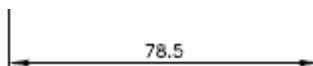


RJ45 , SC & SFP type dimensions





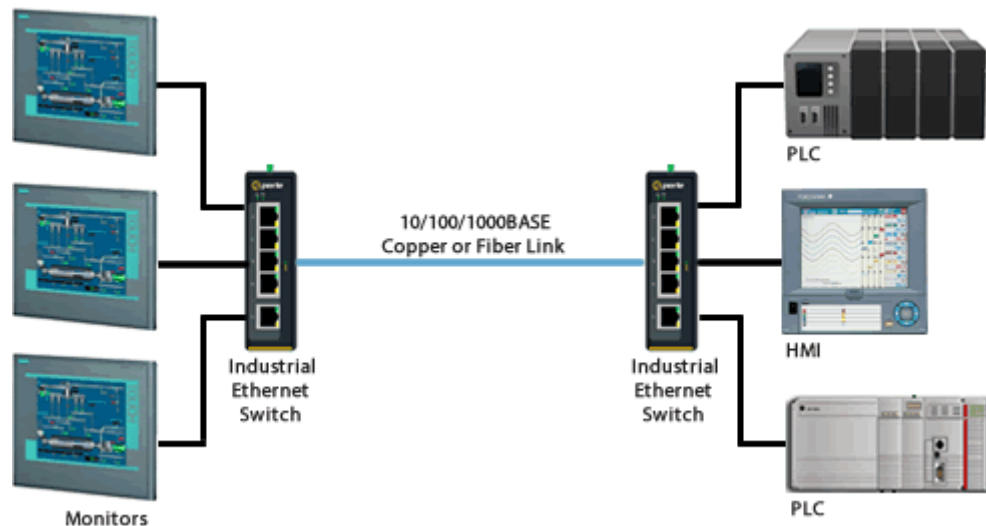
ST type dimensions



SC BiDi type dimensions

IDS-105G avec fixations murales/sur panneau en option

Diagramme du commutateur industriel IDS-105G

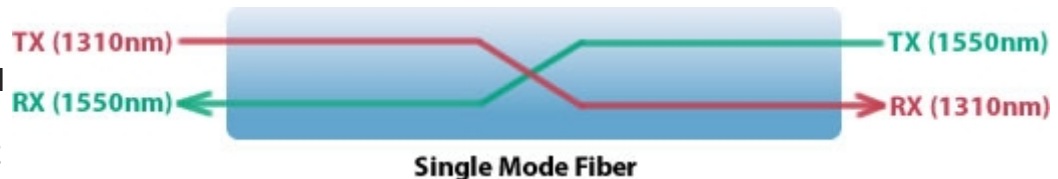


Fibre Mode simple / Fil simple (WDM)

Connexion de dispositifs sur une fibre simple (également appelée bidirectionnelle ou BiDi ou Simplex)

Pour réduire les coûts, ou lorsque la fibre disponible est limitée, on peut utiliser la technologie Wavelength-Division Multiplexing (WDM). WDM utilise des fréquences de transmission et de réception séparées pour communiquer sur une seule fibre. WDM emploie des fréquences distinctes de transmission et de réception pour communiquer sur le même brin de fibre optique. Cette technologie exploite les propriétés de transmission simultanée d'ondes lumineuses sur plusieurs longueurs d'ondes simultanément, sans interaction entre ces dernières. Les systèmes WDM se répartissent en différents types de longueurs d'ondes : classique/grossier (CWDM) et dense (DWDM).

Quand on utilise une fibre simple, il faut avoir un côté 'Haut' et un côté 'Bas' pour réaliser l'interconnexion des dispositifs fibre.



Perle propose une large gamme de commutateurs Ethernet fibre simple ('Haut/Bas') et de Convertisseurs de médias destinés à une seule fibre.

Select a Model to obtain a Part Number – IDS-105G

Operating Temperature (Std) = 0° C to 60° C (32° F to 140° F).
All Models have 5 x 10/100/1000Base-T (RJ45) Connectors

Model

Choose your Fiber Connection from the table below
1000Base-X Duplex Fiber

	Fiber Connector	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wavelength (nm)	Fiber Type	Op Dis (km)
		Min	Max	Min	Max				
<u>IDS-105G</u>	No Fiber connection								
<u>IDS-105G-SFP</u>	1 x SFP slot (empty)	Fiber specifications are dependent upon the choice of SFP used							
<u>IDS-105G-DSFP</u>	2 x SFP slot (empty)	Fiber specifications are dependent upon the choice of SFP used							
<u>IDS-105G-M2SC05</u>	1 x Duplex SC	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	550 (1,000)
<u>IDS-105G-M2ST05</u>	1 x Duplex ST	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	550 (1,000)
<u>IDS-105G-M2SC2</u>	1 x Duplex SC	-6.0	0.0	-17.0	0.0	11.0	1310	MMF	2 km (1,000)
<u>IDS-105G-M2ST2</u>	1 x Duplex ST	-6.0	0.0	-17.0	0.0	11.0	1310	MMF	2 km (1,000)
<u>IDS-105G-S2SC10</u>	1 x Duplex SC	-9.5	-3.0	-20.0	-3.0	10.5	1310	SMF	10 (6,000)
<u>IDS-105G-S2ST10</u>	1 x Duplex ST	-9.5	-3.0	-20.0	-3.0	10.5	1310	SMF	10 (6,000)
<u>IDS-105G-S2SC40</u>	1 x Duplex SC	-2.0	2.0	-23.0	-3.0	21.0	1310	SMF	40 (24,000)
<u>IDS-105G-S2ST40</u>	1 x Duplex ST	-2.0	2.0	-23.0	-3.0	21.0	1310	SMF	40 (24,000)
<u>IDS-105G-S2SC70</u>	1 x Duplex SC	-2.0	5.0	-23.0	-3.0	21.0	1550	SMF	70 (43,000)

<u>IDS-105G-S2ST70</u>	1 x Duplex ST	-2.0	5.0	-23.0	-3.0	21.0	1550	SMF	70 (43)
<u>IDS-105G-S2SC120</u>	1 x Duplex SC	0.0	5.0	-32.0	-9.0	32.0	1550	SMF	120 (74)
<u>IDS-105G-S2ST120</u>	1 x Duplex ST	0.0	5.0	-32.0	-9.0	32.0	1550	SMF	120 (74)
<u>IDS-105G-S2SC160</u>	1 x Duplex SC	2.0	5.0	-34.0	-9.0	36.0	1550	SMF	160 (100)
<u>IDS-105G-S2ST160</u>	1 x Duplex ST	2.0	5.0	-34.0	-9.0	36.0	1550	SMF	160 (100)

Operating Temperature (Ind) = -40° C to 75° C (-40 F to 167° F)
All Models have 5 x 10/100/1000Base-T (RJ45) Connectors

Choose your Fiber Connection from the table below
1000Base-X Duplex Fiber

Model	Fiber Connector	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wavelength (nm)	Fiber Type	Op Dis
		Min	Max	Min	Max				
<u>IDS-105G-XT</u>	No Fiber connection								
<u>IDS-105G-SFP-XT</u>	1 x SFP slot (empty)	Fiber specifications are dependent upon the choice of SFP used							
<u>IDS-105G-DSFP-XT</u>	2 x SFP slot (empty)	Fiber specifications are dependent upon the choice of SFP used							
<u>IDS-105G-M2SC05-XT</u>	1 x Duplex SC	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	550 (1,0)

<u>IDS-105G-M2ST05-XT</u>	1 x Duplex ST	-9.5	-4.0	-17.0	-3.0	7.5	850	MMF	550 (1,1
<u>IDS-105G-S2SC10-XT</u>	1 x Duplex SC	-9.5	-3.0	-20.0	-3.0	10.5	1310	SMF	10 (6.1
<u>IDS-105G-S2ST10-XT</u>	1 x Duplex ST	-9.5	-3.0	-20.0	-3.0	10.5	1310	SMF	10 (6.1

* 1db/km multimode 50/125 micron fiber cable

Single Fiber (Simplex / BiDi) Models Recommended use in pairs

Operating Temperature (Std) = 0° C to 60° C (32° F to 140° F).
All Models have 5 x 10/100/1000Base-T (RJ45) Connectors

Choose your Fiber Connection from the table below
1000Base-X Simplex (BiDi) Fiber

Model	Fiber Connector	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wavelength (nm) TX / RX	Fiber Type	Cable Length (m)
		Min	Max	Min	Max				
<u>IDS-105G-S1SC10U</u>	1 x Simplex SC	-9.0	-3.0	-20.0	-3.0	11.0	1310 / 1490	SMF	10 (6.1
<u>IDS-105G-S1SC10D</u>	1 x Simplex SC	-9.0	-3.0	-20.0	-3.0	11.0	1490 / 1310	SMF	10 (6.1
<u>IDS-105G-S1SC20U</u>	1 x Simplex SC	-8.0	-3.0	-22.0	-3.0	14.0	1310 / 1490	SMF	20 (12.1
<u>IDS-105G-S1SC20D</u>	1 x Simplex SC	-8.0	-3.0	-22.0	-3.0	14.0	1490 / 1310	SMF	20 (12.1

<u>IDS-105G-S1SC40U</u>	1 x Simplex SC	-3.0	2.0	-23.0	-3.0	20.0	1310 / 1490	SMF	4 (
<u>IDS-105G-S1SC40D</u>	1 x Simplex SC	-3.0	2.0	-23.0	-3.0	20.0	1490 / 1310	SMF	4 (
<u>IDS-105G-S1SC80U</u>	1 x Simplex SC	-2.0	3.0	-26.0	-3.0	24.0	1510 / 1590	SMF	8 (
<u>IDS-105G-S1SC80D</u>	1 x Simplex SC	-2.0	3.0	-26.0	-3.0	24.0	1590 / 1510	SMF	8 (
<u>IDS-105G-S1SC120U</u>	1 x Simplex SC	-3.0	2.0	-34.0	-9.0	31.0	1510 / 1590	SMF	1 (
<u>IDS-105G-S1SC120D</u>	1 x Simplex SC	-3.0	2.0	-34.0	-9.0	31.0	1590 / 1510	SMF	1 (

Operating Temperature (Ind) = -40° C to 75° C (-40 F to 167° F)
All Models have 5 x 10/100/1000Base-T (RJ45) Connectors

Choose your Fiber Connection from the table below
1000Base-X Simplex (BiDi) Fiber

Model	Fiber Connector	Transmit (dBm)		Receive (dBm)		Power Budget (dB)	Wavelength (nm) TX / RX	Fiber Type	O D
		Min	Max	Min	Max				
<u>IDS-105G-S1SC10U-XT</u>	1 x Simplex SC	-9.0	-3.0	-20.0	-3.0	11.0	1310 / 1490	SMF	10 (6
<u>IDS-105G-S1SC10D-XT</u>	1 x Simplex SC	-9.0	-3.0	-20.0	-3.0	11.0	1490 / 1310	SMF	10 (6

Industrial Ethernet Switch Accessories

<u>Panel Mount kit PM3</u>	Brackets for attaching 30 to 45 mm wide Perle IDS industrial switches inside a control panel or to a wall for wall.
<u>Rack Mount Kit RM4U</u>	Bracket for mounting one or more Perle DIN Rail switches in a standard 19" rack. Occupies "4U" of vertical rack space. 275 mm (10 inches) deep
<u>UNO-PS/1AC/24DC/60W DIN-Rail Power Supply</u>	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. <u>Power Supply Specifications.</u>
<u>UNO-PS/1AC/24DC/150W Power Supply</u>	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. <u>Power Supply Specifications.</u>

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports. 0 to 60C operating temperature.	None	07010810
	IDS-105G-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports. -40 to 75C industrial extended operating temperature.	None	07011060
	IDS-105G-SFP - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-X SFP slot (empty). 0 to 60C operating temperature.	None	07011130
	IDS-105G-DSFP - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 2 x 1000Base-X SFP slots (empty). 0 to 60C operating temperature.	None	07011140

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-M2SC05 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 850nm multimode port with duplex SC connector [550m/1804 ft]. 0 to 60C operating temperature.	None	07010820
	IDS-105G-M2ST05 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 850nm multimode port with duplex ST connector [550m/1804 ft]. 0 to 60C operating temperature.	None	07010830
	IDS-105G-S2SC10 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-LX/LH, 1310nm single mode port with duplex SC connector [10 km/ 6.2 miles]. 0 to 60C operating temperature.	None	07010860
	IDS-105G-S2ST10 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-LX/LH, 1310nm single mode port with duplex ST connector [10 km/ 6.2 miles]. 0 to 60C operating temperature.	None	07010870
	IDS-105G-SFP-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-X SFP slot (empty). -40 to 75C industrial extended operating temperature.	None	07011150
	IDS-105G-DSFP-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 2 x 1000Base-X SFP slots (empty). -40 to 75C industrial extended operating temperature.	None	07011160

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-M2SC05-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 850nm multimode port with duplex SC connector [550m/1804 ft]. -40 to 75C industrial extended operating temperature.	None	07011070
	IDS-105G-M2ST05-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 850nm multimode port with duplex ST connector [550m/1804 ft]. -40 to 75C industrial extended operating temperature.	None	07011080
	IDS-105G-M2SC2 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 1310nm extended multimode port with duplex SC connector [2km/1.2 miles]. 0 to 60C operating temperature.	None	07010840
	IDS-105G-M2ST2 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-SX, 1310nm extended multimode port with duplex ST connector [2km/1.2 miles]. 0 to 60C operating temperature.	None	07010850
	IDS-105G-S2SC10-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-LX/LH, 1310nm single mode port with duplex SC connector [10 km/ 6.2 miles]. -40 to 75C industrial extended operating temperature.	None	07011090
	IDS-105G-S2ST10-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-LX/LH, 1310nm single mode port with duplex ST connector [10 km/ 6.2 miles]. -40 to 75C industrial extended operating temperature.	None	07011100

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-S1SC10U - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1310nm TX / 1490nm RX single strand single mode port with simplex (BIDI) SC connector [10km/6.2 miles]. 0 to 60C operating temperature	None	07010960
	IDS-105G-S1SC10D - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1490nm TX / 1310nm RX single strand single mode port with simplex (BIDI) SC connector [10km/6.2 miles]. 0 to 60C operating temperature	None	07010970
	IDS-105G-S1SC10U-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1310nm TX / 1490nm RX single strand single mode port with simplex (BIDI) SC connector [10km/6.2 miles]. -40 to 75C industrial extended operating temperature.	None	07011110
	IDS-105G-S1SC10D-XT - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1490nm TX / 1310nm RX single strand single mode port with simplex (BIDI) SC connector [10km/6.2 miles]. -40 to 75C industrial extended operating temperature.	None	07011120
	IDS-105G-S1SC20U - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1310nm TX / 1490nm RX single strand single mode port with simplex (BIDI) SC connector [20km/12.4 miles]. 0 to 60C operating temperature	None	07010980
	IDS-105G-S2ST40 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-EX, 1310nm single mode port with duplex ST connector [40 km/ 24.9 miles]. 0 to 60C operating temperature.	None	07010890

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-S2SC40 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-EX, 1310nm single mode port with duplex SC connector [40 km/ 24.9 miles]. 0 to 60C operating temperature.	None	07010880
	IDS-105G-S2SC70 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex SC connector [70 km/ 43.5 miles]. 0 to 60C operating temperature.	None	07010900
	IDS-105G-S2ST70 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex ST connector [70 km/ 43.5 miles]. 0 to 60C operating temperature.	None	07010910
	IDS-105G-S1SC20D - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1490nm TX / 1310nm RX single strand single mode port with simplex (BIDI) SC connector [20km/12.4 miles]. 0 to 60C operating temperature	None	07010990
	IDS-105G-S1SC40U - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1310nm TX / 1490nm RX single strand single mode port with simplex (BIDI) SC connector [40km/24.9 miles]. 0 to 60C operating temperature	None	07011000
	IDS-105G-S1SC40D - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1490nm TX / 1310nm RX single strand single mode port with simplex (BIDI) SC connector [40km/24.9 miles]. 0 to 60C operating temperature	None	07011010

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-S2SC120 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex SC connector [120 km/ 74.6 miles]. 0 to 60C operating temperature.	None	07010920
	IDS-105G-S2SC160 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex SC connector [160 km/ 100 miles]. 0 to 60C operating temperature.	None	07010940
	IDS-105G-S1SC80U - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1510nm TX / 1590nm RX single strand single mode port with simplex (BIDI) SC connector [80km/49.7 miles]. 0 to 60C operating temperature	None	07011020
	IDS-105G-S1SC80D - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1590nm TX / 1510nm RX single strand single mode port with simplex (BIDI) SC connector [80km/49.7miles]. 0 to 60C operating temperature	None	07011030
	IDS-105G-S2ST120 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex ST connector [120 km/ 74.6 miles]. 0 to 60C operating temperature.	None	07010930
	IDS-105G-S1SC120U - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1510nm TX / 1590nm RX single strand single mode port with simplex (BIDI) SC connector [120km/74.6 miles]. 0 to 60C operating temperature	None	07011040

Image du produit	La description	Cordon d'alimentation	Identifiant du produit
	IDS-105G-S1SC120D - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-BX, 1590nm TX / 1510nm RX single strand single mode port with simplex (BIDI) SC connector [120km/74.6 miles]. 0 to 60C operating temperature	None	07011050
	IDS-105G-S2ST160 - Industrial Ethernet Switch - 5 x 10/100/1000Base-T RJ-45 ports and 1 x 1000Base-ZX, 1550nm single mode port with duplex ST connector [160 km/ 100 miles]. 0 to 60C operating temperature.	None	07010950

Accessoires

Image accessoire	La description	Numéro de modèle	Identifiant de l'accessoire
	Panel Mount Kit PM3 - Brackets for wall or panel mounting 30 to 45mm wide Perle IDS Industrial Switches and IRG5000 LTE Routers.	Panel Mount Kit PM3	07010290
	Rack Mount Kit RM4U - 4U Rack mount for mounting DIN Rail products to a 19 inch rack.	Rack Mount Kit RM4U	07010300
Power Supply			
	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

Image accessoire	La description	Numéro de modèle	Identifiant de l'accessoire
	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