



## DATA SHEET

## Unmanaged Gigabit Ethernet switch - 4 ports



### FEATURES & BENEFITS

- **2 ports Gigabit RJ45**
- **2 Gigabit ports on SFP modules to create a loop and secure an optical network**
- **Plug and play, no configuration, easy to install**
- **Compact, small-footprint housing that can fit into a box**
- **Power supply 9 to 60VDC**
- **Designed to operate in a harsh environment**
- **(-20°C to + 60°C) and in electronically disturbed environments**

### DESCRIPTION

INet4 is 4-port Gigabit Ethernet unmanageable and unsupervisable switch with

- ✓ 2 RJ45 ports, 10/100/1000 Mbps
- ✓ 2 SFP ports, 100/1000 Mbps to receive optical SFPs and RJ45 SFPs.

Thanks to its two SFP ports, it allows to build a chained optical network or a self-healing loop to connect 1 to 2 IP devices (IP camera, Wifi access point, VoIP phone, sensor,...) on each switch.

INet4 ensures perfect Gigabit Ethernet transmission over optical fibre even in harsh environments or electronically disturbed environments.

This equipment is perfectly suited for:

- ✓ Motorway networks
- ✓ Video protection networks
- ✓ Sensitive and industrial sites
- ✓ Telecommunications premises

Function indicators are associated with the main functions of the product and provide diagnostic support.

The INet4 is presented in a stand-alone housing which is very compact, robust (aluminium) and easy to install. An optional kit allows DIN rail mounting.

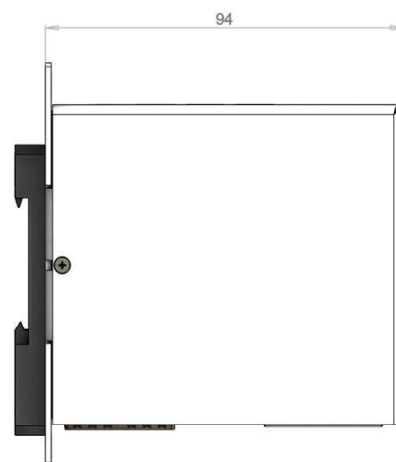
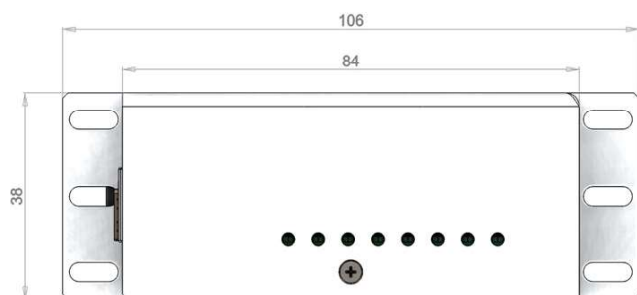
Other Gigabit Ethernet switches from the IFOTEC range can be combined.

## TECHNICAL SPECIFICATIONS

Ethernet interfaces (IEEE 802.3)	
<b>10/100/1000BASE-T port not configurable</b>	
Number of interface(s)	2
<b>Connector</b>	<b>RJ45</b>
Support	10BASE-T (IEEE 802.3i), 100BASE-TX (IEEE 802.3u), 1000BASE-T (IEEE 802.3ab)
Rate auto-negotiation	Yes
Auto-MDI/MDI-X	Yes
Energy saving management	Energy Efficiency Ethernet (IEEE 802.3az)
Category 5e cable length	100 m
<b>100/1000 SFP slot with auto-negotiation</b>	
Number of interface(s)	2
<b>Connector</b>	<b>SFP</b>
Support	SERDES 100Mbps (IEEE 802.3u), SERDES 1Gbps (IEEE 802.3z)
Rate auto-negotiation	No
Digital Diagnostic Monitoring (DDM)	Yes
Operating indicators	
Power	Product powered
Alarm	Problem detected
SFP status	SFP operating status
Link/Act Ethernet	Ethernet connection/activity
Layer 2 Ethernet Switch Features	
<b>General</b>	
Bandwidth	Store and Forward system (no rate limiting)
Buffer memory	2Mbits
MTU (Layer 2)	64 to 12240 bytes
Number of entries in MAC address table	8192
Power supply	
Supply voltage	9 to 60VDC
Max. power consumption	5W
Connector	2-point screw terminal block (3.81 mm pitch)
Physical characteristics	
Housing type	Stand-alone housing in painted aluminum
Housing dimensions	106 x 94 x 38 mm (L x l x h)
DIN rail mounting	Optional Kit ref. KIT-RD-008
Environmental conditions	
Operating temperature	-20 to +60°C
Storage temperature	-40 to +85 °C
Relative humidity	Relative humidity: 0 to 85 % (not condensed)
Conformal coating option	0 to 95% (consult us)

Standards/Certifications	
<b>EMC &gt; EMI</b>	
EN 55032: conducted and radiated emission	Classe A (Industrial)
<b>EMC &gt; EMS</b>	
IEC 61000-4-2 ESD	Contact : $\pm 4\text{kV}$ , Air: N/A
IEC 61000-4-3 RS	80MHz-6GHz: 10V/m
IEC 61000-4-4 EFT	Power supply: $\pm 2\text{kV}$ , Signal: $\pm 1\text{kV}$
IEC 61000-4-5 Surge	Power supply: $\pm 0.5\text{kV}$
IEC 61000-4-6 CS	Power supply: 10V, Signal: 10V
<b>Guarantee</b>	
Production location and after sales service	Voiron (France)
Guarantee	3 years
Guarantee information	<a href="https://www.ifotec.com/support/">https://www.ifotec.com/support/</a>

## DIMENSIONS



## ORDERING INFORMATION

Reference	Application	Optical connection	Power supply
INET-2GE2GF-A0-102	Gigabit Ethernet transmission for	According to SFP	9 to 60VDC

## SFP SELECTION TABLE

For more information, see our SFP data sheet

Reference	Number and type of fibres	Transmission	Wavelength (Tx/Rx)	Max. Distance*	Connection
SFPL-1GD31-20	2 single mode optical fibres	1000Base-LX	1310 nm	20 km	LC/PC
SFPL-1GX31-20	1 single mode optical fibre	1000Base-BX-U	1310 nm /1550 nm	20 km	LC/PC
SFPL-1GX49-20	1 single mode optical fibre	1000Base-BX-D	1490 nm /1310 nm	20 km	LC/PC
SFPL-FED31-20-VB	2 single mode optical fibres	100Base-FX	1310 nm	20 km	LC/PC
SFPL-FEX31-20-VB	1 single mode optical fibre	100Base-BX-U	1310 nm /1550 nm	20 km	LC/PC
SFPL-FEX55-20-VB	1 single mode optical fibre	100Base-BX-D	1550 nm /1310 nm	20 km	LC/PC

\* for longer distances please consult us

In line with the company policy of continuous improvement, product specifications are subject to change without prior notice.

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