

## UNMANAGED HARDENED POE ETHERNET SWITCH

4-PORT IEEE 802.3AT POE PLUS + 1-PORT 10/100/1000BASE-T + 1-SLOT GIGABIT SFP

### VDI INS5R4P1S



Gigabit PoE Switch

PoE budget = 120 W

1 empty fiber Gigabit slot SFP

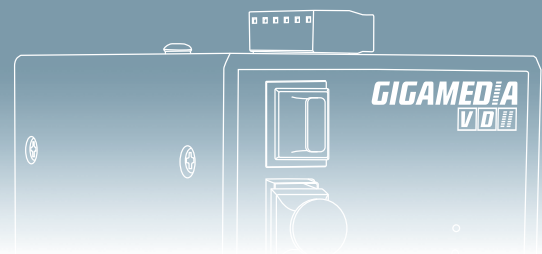


The **VDI INS5R4P1S** is a Unmanaged Hardened PoE Ethernet Switch perfectly suited for extreme industrial environments and an ideal solution to deploy in surveillance systems. The **VDI INS5R4P1S** is designed to meet the requirements of both power and data transmission over single Ethernet cable to PoE appliances and devices without the need for power outlets, eliminating additional cost of electrical cabling and circuits.

The switch's rugged case and hardened components withstand high degree of vibration, shock and wide operating temperatures from -20 °C to 60 °C. Switch features 5 10/100/1000Base-T ports and 1 Gigabit SFP slot to satisfy new and evolving network demands in longer distances via its fiber port. With 4 IEEE 802.3at compliant ports, each of them allows to supply up to 30W in controllable ways to satisfy the growing demand of high power consuming network devices such as WLAN AP, VoIP phones and IP surveillance cameras, and other powered devices in longer distances up to 100 m with Cat 5 cables.

### MAIN FEATURES

- Supports Auto-MDI/MDI-X
- Full/half-duplex transfer modes for each port
- DIP switch to enable or disable alarm functions
- Dual redundant DC power inputs
- Power Terminal Block
- Power-input polarity protection function
- Power DC-Jack (optional)
- 4-port PoE (30 W each port)



## PRODUCT SPECIFICATIONS

### STANDARDS

IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX
IEEE 802.3x	Flow Control
IEEE 802.3af	PoE
IEEE 802.3at	PoE plus

### PERFORMANCE

Throughput	14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
	1,488,000 pps to 1000 Mbps ports
Switch fabric	12Gbps
Packet buffer size	4.1Mbit
MAC table size	8K
Static MAC address	256
Jumbo Frame size	10K

### POWER

Input voltage	48 V DC
Connection	DC-power jack
Power consumption	130 W max
	6,72 W (switch it self)
ESD protection	8KV
Surge protection	6KV

### POE FUNCTIONS

Up to 4 IEEE 802.3 at devices powered  
 Supports PoE Power up to 30.8 W for each PoE port  
 Auto detect powered device (PD)  
 Remote Power Feeding up to 100 m

### PORTS

1 x Gigabit SFP  
 1 x 10/100/1000Base-T (RJ45)  
 4 x 10/100/1000Base-T (PSE)

### MECHANICAL AND ENVIRONMENT

Housing	Metal Case (IP30 protection)
DIN-Rail Mounting	Metal
Operating Temperature	-20 °C ~ 60 °C
Storage Temperature	-40 °C ~ 85 °C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	395 g
Dimension	136 x 31 x 110 mm (HxWxD)

### STANDARDS AND CERTIFICATIONS

FCC Part 15 of Class A CE Approved

## PART NUMBER

PART NUMBER	DESCRIPTION
<b>VDI INS5R4P1S</b>	5-port 10/100/1000BASE-TX + 1-Slot 1000LX Hardened PoE Ethernet Switch

### COMPLEMENTARY PRODUCTS

<b>VDI IAL6048</b>	60 W single output industrial DIN Rail power supply
<b>VDI IAL4048</b>	40 W single output industrial DIN Rail power supply
<b>GGM MSFPSX</b>	Module SFP 1000Base-SX LC multimode 500 m
<b>GGM MSFPLX</b>	Module SFP 1000Base-LX LC singlemode 10 km

### YOUR POINT OF CONTACT