

# Industrial Ethernet Switches

## IFE-6T-UM

The Case Communications **IFE-6T-UM** is a **6-port 10/100M Industrial Ethernet Switch** designed to operate stably and reliably in harsh environments.

The 6 x 10/100M RJ45 ports can support full line-rate forwarding.

The IFE-6T-UM is capable of operating in extreme environments (mechanical, climate, electromagnetic environments) and has a protection level up to IP40.

It supports dual redundant power supply, low power consumption and fan less cooling technology.

### IFE 6T- UM

### FEATURES



#### 100M Ethernet access, full wire transmission

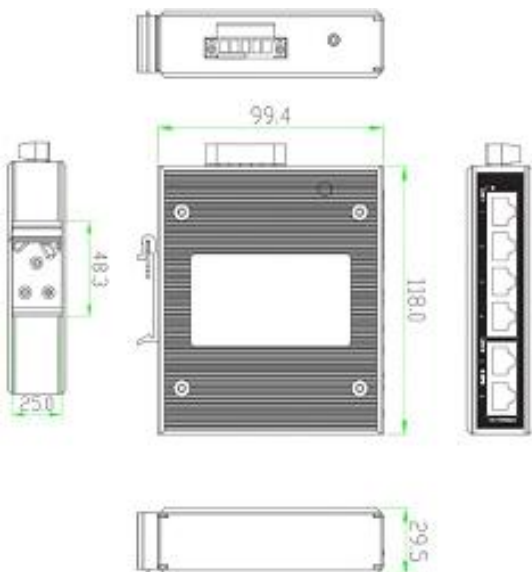
- Supports '10/100M RJ45 port and dual uplink RJ45 ports
- Support for non-blocking wire-speed forwarding.
- Supports full-duplex based on IEEE802.3x
- Supports half-duplex based on backpressure.

#### Port lightning protection, wide voltage input

- Contact discharge 8KV, air discharge 15KV;
- port lightning protection common-mode 4KV, differential mode 2KV;
- Industrial dual power input.

#### DC INPUT: DC INPUT: 12-48V.

- Stable and reliable
- CE, FCC, RoHS.
- Low power consumption, no fan, aluminium shell.
- User-friendly panel shows the device status via LED indicators of PWR, Link.



TECHNICAL SPECIFICATIONS			
<b>Fixed Ports</b>	6 x 10/100 Base TX-RJ45		
<b>Twisted Pair</b>	<ul style="list-style-type: none"> <li>• 10base-T, Cat3, Cat4, Cat 5,</li> <li>• 100BASE-T (≤100 meter): Cat5e or later UTP(≤100 meter)</li> </ul>		
<b>Power In</b>	2 sets of V=, V- redundant DC Power (5 Pin Phoenix Terminal)		
<b>Ethernet Ports</b>	10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption		
<b>Network Protocols</b>	<ul style="list-style-type: none"> <li>• IEEE802.3 10BASE-T,</li> <li>• IEEE802.3i 10Base-T,</li> <li>• IEEE802.3u 100Base-TX,</li> <li>• IEEE802.3u 100Base-FX, IEEE802.3x</li> </ul>		
<b>Switching Mode</b>	Store and Forward	<b>Switching capacity</b>	1.6Gbps
<b>Forwarding rate</b>	@ 64 bytes 0.89Mpps	<b>Jumbo Frame</b>	1536 bytes
<b>Buffer Memory</b>	768K	<b>Mac Addresses</b>	1K
<b>LED Indicators</b>	Power: PWR (green), network: Link (yellow), Rate: Speed (green)		
<b>Working Voltage</b>	12-48VDC; 5 Pin industrial Phoenix terminal, support anti-reverse protection		
<b>Power Consumption</b>	Standby<4W, Full load<5W		
<b>Operating temperature</b>	-40~+75°C; 5%~90% RH Non-Condensing		
<b>Storage TEMP Humidity</b>	-40~+85°C; 5%~95% RH Non-Condensing		
<b>Dimension (L*W*H)</b>	119mm x 100mm x 30mm		
<b>Net /Gross Weight</b>	<0.5 kg / (with packaging <0.7 kg)		
<b>Installation</b>	Desktop, DIN rail		
<b>Housing</b>	IP 40:		
<b>Protection Levels</b>	Lightning protection: 6KV 8/20us; Protection level:		
	IEC61000-4- 2(ESD):±8kV contact discharge,±15kV air discharge		
	IEC61000-4-3(RS):10V/m(80~1000MHz)		
	IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV		
	IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV		
	IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)		
	IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s		
	IEC61000-4-9(pulsed magnet field):1000A/m IEC61000		
	IEC61000-4-10(damped oscillation):30A/m1MHz		
	IEC61000-4- 12/18(shockwave):CM 2.5kV,DM 1kV		
	IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class A		
	IEC61000-6-2(Common Industrial Standard)		
<b>Mechanical Properties</b>	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)		
<b>Certification</b>	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS		

Model	Description	Recommended Power Supply
IFE-6T-UM	Unmanaged Industrial Ethernet switch with 6*10/100M RJ45 ports. Dual DC redundant power input & DIN rail mounting.	24V/24W