



Industrial Ethernet Switches **IES2024-20F**

◆ 4-port 10/100M Ethernet+ 20-port 100Base-FX Unmanaged Switch

➤ Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x
- Store and Forward switching process type
- Plug-and-play ,auto MDI/MDI-X connection
- Support 8K MAC address
- 10/100BaseT(X)(RJ45)
- Operating temperature range from -40 to 75 ℃
- Designed without fan
- IP30, rugged high-strength metal case
- 19-inch rack mounting



➤ Introduction

The IES2024-20F industrial Ethernet switches consists of 4 Ethernet ports and 20 Fiber ports that provide an economical solution for your industrial Ethernet connection. The IES2024-20F switches have an operating temperature range of -40 to 75 ℃, and are designed with low consumption and without fan. The rugged hardware design makes the IES2024-20F perfect for ensuring that your Ethernet equipment can withstand the rigors of industrial applications.

➤ Application

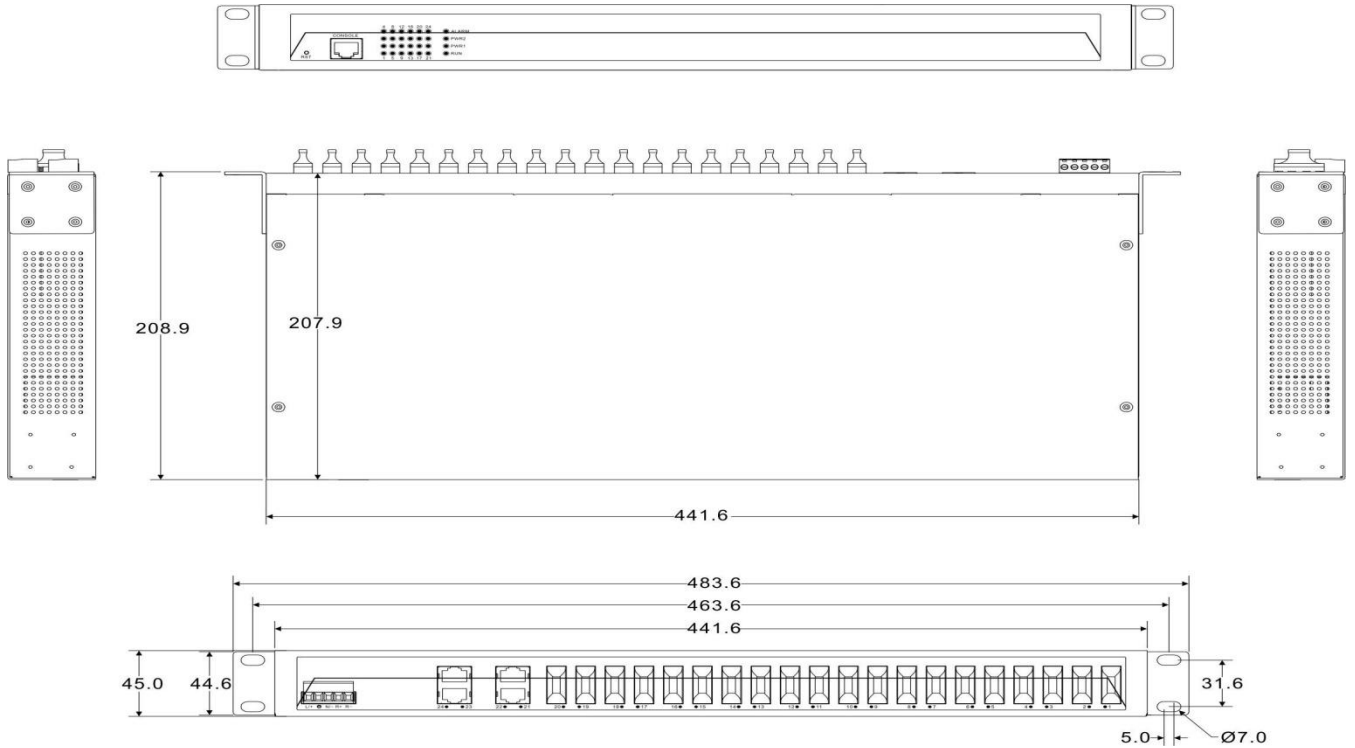
- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Power system applications
- High Way & Toll Station Surveillance
- Transformer Substation Communication System
- Oil of GPRS data acquisition system

➤ Specification

Technology	
Standard	Support IEEE802.3, IEEE802.3u, IEEE 802.3x,
Flow control	IEEE802.3x flow control, back press flow control
Exchange attribute	
100M forward speed	148810pps
100M maximum filter speed	148810pps
Transmit mode	store and forward
System exchange bandwidth	12.8G
MAC address table	8K
Memory	4M
Interface	
Electric port	10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

100M optic fiber port	100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km)wavelength: 1310nm, 1550nm
Console port	Retain
Alarm port	2 bit terminal block 1 channel relay alarm output
Load ability	5A@250VAC
Transfer distance	
Twisted cable	100M (standard CAT5/CAT5e cable)
Multi-mode	1310nm, 2Km
Single-mode	1310nm, 20/40/60Km, 1550nm, 80/100/120Km
LED indicator	
Run indicator	Run
Interface indicator	Link (1~24)
Power supply indicator	PWR
Alarm indicator	Alarm
Power supply	
Input Voltage	100~240VAC
Overload Current Protection	1.2A
Connection	3 bit terminal block
Consumption	
Unload consumption	18.8W
Full load consumption	20.7W
Working environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Relative Humidity	5%~95 % (no condensation)
Mechanical Structure	
Packaging	IP 30 protection, metal case
Installation	19-inch racks mount
Dimensions (L×W×H)	441.6mm×208.9mm×45mm
Industry Standard	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD) , Level 4 EN61000-4-3 (RS) , Level 3 EN61000-4-4 (EFT) , Level 4 EN61000-4-5 (Surge) , Level 4 EN61000-4-6 (CS) , Level 3 EN61000-4-8, Level 5
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Certification	CE, FCC, RoHS, UL508 (Pending)
Warranty	5 years

➤ Dimension



➤ Ordering Information

Model NO.	Description
IES2024-20F (M)	4 port 10/100Baes-T(X) + 20 port 100Base-FX Multi-mode SC/ST/FC, 100~240VAC
IES2024-20F (S)	4 port 10/100Baes-T(X) + 20 port 100Base-FX Single-mode SC/ST/FC, 100~240VAC
IES2024-20F (SS)	4 port 10/100Baes-T(X) + 20 port 100Base-FX single-mode, single fiber SC/ST/FC, 100~240VAC

➤ Packing List

- Ethernet switch IES2024-20F (plus terminal block) × 1
- User manual × 1
- Certificate of quality × 1
- Warranty card × 1
- Power cable × 1

