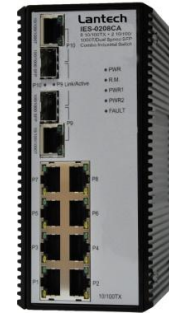


# IES-0208CA

## 8 10/100TX + 2 10/100/1000T/Dual Speed SFP Combo Industrial Switch

- Input voltage 12V~48V, Redundant power input
- Relay Alarm Output System Events
- -40°C~75°C (-E) Extended Operation Temperature



### OVERVIEW

The Lantech IES-0208CA is an 8 10/100BaseTX + 2 10/100/1000T/Dual Speed SFP Combo industrial plug-and-play switch. The SFP connection is designed with 100M or 1000M dual speed. Equipped with DC 12~48V redundant input power, the Lantech IES-0208CA is able to work with the different environments. It also supports relay contact to connect with alarm system in case of power or port failure.

The IES-0208CA is designed to meet the demands of industrial environments, comes packaged in a robust IP30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken to comply with free fall, shock and vibration stability test requirements, which ensure long term reliability in critical

industrial environments.

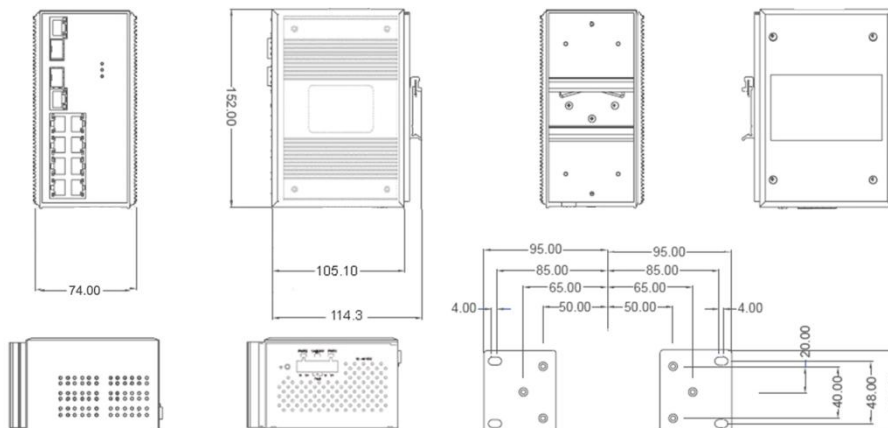
Besides redundant power supply with overload current protection, the IES-0208CA supports EFT protection for 2000VDC power and 6000VDC Ethernet ESD protection, which can reduce unstable environment damage caused by power line and Ethernet.

The Lantech IES-0208CA and -E model working under -40°C~75°C are the best to use in Industrial automation, Transportation, Semi-conductor factory, Heavy Industrial factory and other ruggedized environments.

### FEATURES & BENEFITS

- **System Interface/Performance**
  - RJ-45 port support Auto MDI/MDI-X Function
  - SFP (Mini-GBIC) supports 100/1000 dual speed
  - Back-plane (Switching Fabric): 5.6Gbps
  - 1Mbits Packet Buffer
  - 8K MAC Address Table
  - Support standard operating temperature (-20°C~60°C)
  - Support extended operating temperature(-40°C~75°C)
- **Power Supply**
  - Redundant Power Design
  - DC12~48V input; -48V single input
- **Case/Installation**
  - IP-30 Protection
  - DIN Rail and Wall Mount Design(optional)
- **Relay Alarm**
  - Relay output for port breakdown, power fail and alarm

### DIMENSIONS (unit=mm)



**SPECIFICATION**

Hardware Specification		
IEEE Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z Gigabit fiber IEEE802.3x Flow Control and Back Pressure	8 port 10/100: Link/Activity (Green), Full duplex/Collision (Yellow), Power Feeding (Green) Giga port: Link/Activity(Green),Giga Speed (Yellow)
Switch Architecture	Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability(Full-Duplex): 8.3Mpps @64bytes	Relay Output Provides one relay output for port breakdown, power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Fiber Ethernet port	Power Supply External Power Supply: DC 12-48V, Redundant power D12V-DC 48V and connective removable terminal block.
Packet Buffer	1Mbits	Power Consumption 10 Watts (Max.)
MAC Address	8K MAC address table	Operating Humidity 5% - 95% (Non-condensing)
Connectors	10/100TX: 8 x RJ-45 10/100/1000T/ Mini-GBIC Combo: 2 x RJ-45 + 2 x 100/1000 SFP sockets	Operating Temperature Standard: -20°C-60°C /-13°F-140°F
Network Cable	10Base-T: UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m)	Storage Temperature -40°C-85°C / -40°F-185°F
Optical Fiber	Multi-mode: 50/125um-62.5/125um Single-mode: 9/125um Available distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode)	Case Dimension IP-30, 74mm (W) x 114mm (D) x 152mm (H)
Protocol	CSMA/CD	Installation Provide DIN rail kit and optional wall mount ear for wall mount or DIN-type cabinet install
LED	Per unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red),	EMI & EMS FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4
		Stability Testing IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
		Warranty 5 years

\*Future Release  
\*\*Optional

**ORDERING INFORMATION**

- **IES-0208CA.....P/N: 8360-451**  
8 10/100TX + 2 10/100/1000T/ Dual Speed SFP Combo Industrial Switch; -20-60C
- **IES-0208CA-E.....P/N: 8360-452**  
8 10/100TX + 2 10/100/1000T/ Dual Speed SFP Combo Industrial Switch; -40-75C

**OPTIONAL ACCESSORIES**

**DIN Rail Power**

- **AD1048-24FS** 24VDC, 2A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C-50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C.)
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C-50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 9 Watts at 75°C.)

**Mini GBIC (SFP)**

- |  |  |
|--|--|
| ■ <b>8330-162</b> MINI GBIC 1000SX (LC/0.5km) Transceiver      | ■ <b>8330-188</b> LTSFP-1000BX-10KM Transceiver (WDM 1310) |
| ■ <b>8330-163</b> MINI GBIC 1000SX2 (LC/2km) Transceiver       | ■ <b>8330-189</b> LTSFP-1000BX-10KM Transceiver (WDM 1550) |
| ■ <b>8330-165</b> MINI GBIC 1000LX (LC/10km) Transceiver       | ■ <b>8330-186</b> LTSFP-1000BX-20KM Transceiver (WDM 1310) |
| ■ <b>8340-0591</b> MINI GBIC 1000LHX (LC/40km) Transceiver     | ■ <b>8330-187</b> LTSFP-1000BX-20KM Transceiver (WDM 1550) |
| ■ <b>8330-166</b> MINI GBIC 1000XD (LC/50km) Transceiver       | ■ <b>8330-180</b> LTSFP-1000BX-40KM Transceiver (WDM 1310) |
| ■ <b>8330-169</b> MINI GBIC 1000XD (LC/60km) Transceiver       | ■ <b>8330-182</b> LTSFP-1000BX-40KM Transceiver (WDM 1550) |
| ■ <b>8330-167</b> MINI GBIC 1000ZX (LC/80km) Transceiver       | ■ <b>8330-181</b> LTSFP-1000BX-60KM Transceiver (WDM 1310) |
| ■ <b>8330-170</b> MINI GBIC 1000EZx (120km) Transceiver        | ■ <b>8330-183</b> LTSFP-1000BX-60KM Transceiver (WDM 1550) |
| ■ <b>8330-168</b> MINI GBIC 1000T (100m) Transceiver           | ■ <b>8330-184</b> LTSFP-1000BX-80KM Transceiver (WDM 1490) |
| ■ <b>8330-061</b> 100Base LX 30KM, Single-mode, LC Transceiver | ■ <b>8330-185</b> LTSFP-1000BX-80KM Transceiver (WDM 1550) |
| ■ <b>8330-060</b> 100Base FX 2KM, Multi-mode, LC Transceiver   |  |

**Wall Mount Bracket**

- **MBEAR001** Wall mount bracket for 66(W) x 114 (D) x 152 (H) mm Industrial switches

**Lantech Communications Global Inc.**

www.lantechcom.tw  
info@lantechcom.tw

© 2013 Copyright Lantech Communications Global Inc. all rights reserved.  
The revise authority rights of product specifications belong to Lantech Communications Global Inc.  
Lantech may make changes to specification and product descriptions at anytime, without notice.