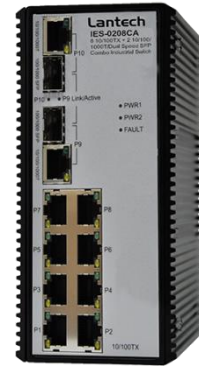


IES-0208CA

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

- *Input voltage 9.5V~60V, 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 9.5~60V 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
- DC9.5~60V input; -48V single input

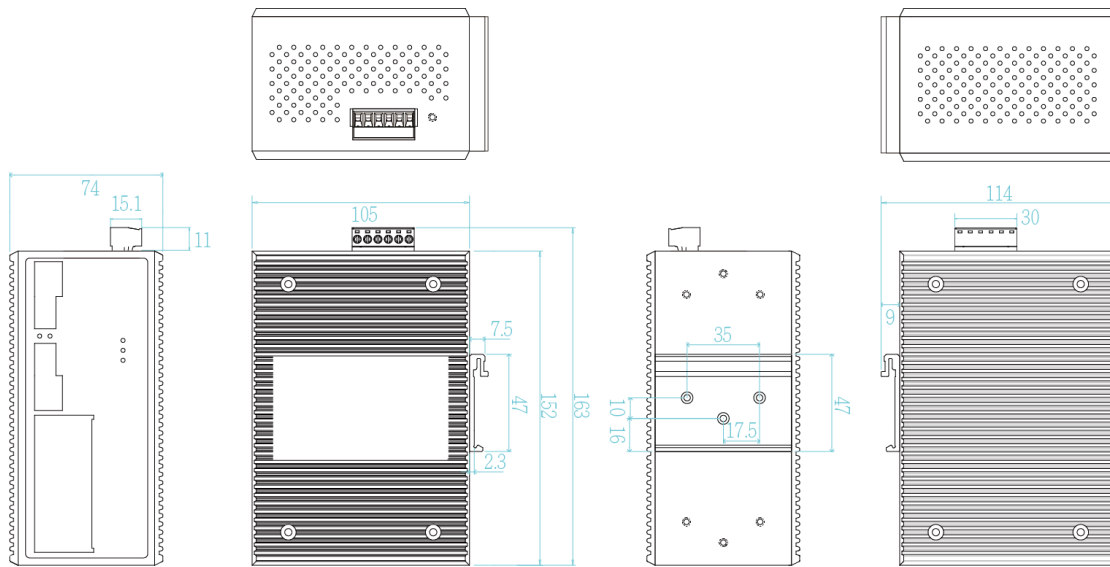
■ Case/Installation

- 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 | Relay Output | Giga port: Link/Activity(Green),Giga Speed (Yellow) Provides one relay output for port breakdown, power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V |
| Switch Architecture | Back-plane (Switching Fabric): 5.6Gbps | Power Supply | External Power Supply: DC 9.5~60V, Redundant power DC 9.5V~DC 60V and connective removable terminal block. |
| Transfer Rate | 14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet / Gigabit Fiber port | Power Consumption | 10 Watts (Max.) |
| Packet Buffer | 1Mbits | Operating Humidity | 5% ~ 95% (Non-condensing) |
| MAC Address | 8K MAC address table | Operating Temperature | Standard: -20°C~60°C /-13°F~140°F |
| Connectors | 10/100TX: 8 x RJ-45 10/100/1000T/ Mini-GBIC Combo: 2 x RJ-45 + 2 x 100/1000 SFP sockets | Storage Temperature | -40°C~85°C / -40°F~185°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) | Case Dimension | IP-30, 74mm (W) x 114mm (D) x 152mm (H) |
| 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) | Installation | Provide DIN rail kit and optional wall mount ear for wall mount or DIN-type cabinet install |
| Protocol | CSMA/CD | 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 EN61000-6-2, CE EN55032 Class A |
| LED | Per unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red), 8 port 10/100: Link/Activity (Green), Full duplex/Collision (Yellow), Power Feeding (Green) | Stability Testing | IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-64 (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

- **MDR-40 Series** 40W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 4% per degree from 60°C ~ 70°C)
- **MDR-20 Series** 20W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

Mini GBIC (SFP)

- | | |
|--|---|
| ■ 8330-162X MINI GBIC 1000SX (LC/MM/0.5KM) Transceiver | ■ 8330-187 1.25Gbps BiDi SFP 20KM Transceiver (WDM 1550) |
| ■ 8330-163X MINI GBIC 1000SX2 (LC/MM/2KM) Transceiver | ■ 8330-180 1.25Gbps BiDi SFP 40KM Transceiver (WDM 1310) |
| ■ 8330-165X MINI GBIC 1000LX (LC/SM/10KM) Transceiver | ■ 8330-182 1.25Gbps BiDi SFP 40KM Transceiver (WDM 1550) |
| ■ 8340-0591 MINI GBIC 1000LHX (LC/SM/40KM) Transceiver | ■ 8330-181 1.25Gbps BiDi SFP 60KM Transceiver (WDM 1310) |
| ■ 8330-166 MINI GBIC 1000XD (LC/SM/50KM) Transceiver | ■ 8330-183 1.25Gbps BiDi SFP 60KM Transceiver (WDM 1550) |
| ■ 8330-169 MINI GBIC 1000XD (LC/SM/60KM) Transceiver | ■ 8330-184 1.25Gbps BiDi SFP 80KM Transceiver (WDM 1490) |
| ■ 8330-167 MINI GBIC 1000ZX (LC/SM/80KM) Transceiver | ■ 8330-185 1.25Gbps BiDi SFP 80KM Transceiver (WDM 1550) |
| ■ 8330-170 MINI GBIC 1000EZ (LC/SM/120KM) Transceiver | ■ 8330-071 125Mbps BiDi SFP 2KM (WDM 1310) Transceiver |
| ■ 8330-168 MINI GBIC 10/100/1000T (100m) Transceiver | ■ 8330-072 125Mbps BiDi SFP 2KM (WDM 1550) Transceiver |
| ■ 8330-060 MINI GBIC 100Base (LC/MM/2KM) Transceiver | ■ 8330-069 125Mbps BiDi SFP 20KM (WDM 1310) Transceiver |
| ■ 8330-065 MINI GBIC 100Base (LC/MM/5KM) Transceiver | ■ 8330-068 125Mbps BiDi SFP 20KM (WDM 1550) Transceiver |
| ■ 8330-061 MINI GBIC 100Base (LC/SM/30KM) Transceiver | ■ 8330-080 125Mbps BiDi SFP 40KM (WDM 1310) Transceiver |
| ■ 8330-197 1.25Gbps BiDi SFP 0.5KM Transceiver (WDM 1310) | ■ 8330-082 125Mbps BiDi SFP 40KM (WDM 1550) Transceiver |
| ■ 8330-198 1.25Gbps BiDi SFP 0.5KM Transceiver (WDM 1550) | ■ 8330-081 125Mbps BiDi SFP 60KM (WDM 1310) Transceiver |
| ■ 8330-195 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1310) | ■ 8330-083 125Mbps BiDi SFP 60KM (WDM 1550) Transceiver |
| ■ 8330-196 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1550) | ■ 8330-084 125Mbps BiDi SFP 80KM (WDM 1310) Transceiver |
| ■ 8330-188 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1310) | ■ 8330-085 125Mbps BiDi SFP 80KM (WDM 1550) Transceiver |
| ■ 8330-189 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1550) | ■ 8330-191 Dual Speed SFP 100M/1000M-LX 10KM Transceiver |
| ■ 8330-186 1.25Gbps BiDi SFP 20KM Transceiver (WDM 1310) | |

Wall Mount Bracket

- **MBAK19003** Wall mount bracket for 74(W) x 105 (D) x 152 (H) mm / 96 (W) x 105 (D) x 152 (H) mm Industrial switches
- **MBAK19004** 19" Rack Mounting Kit for 74x105x152mm/74x135x152mm Industrial Switch

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