



RUGGED ENVIRONMENT SOLUTIONS

0/1/2/4 100Base-FX ports +10/100Base-TX ports to a complete 8 port switch.

ICE608 is a Series of feature rich compact switches, with option for redundant 24/48VDC designed for working under harsh environment. ICE608 Series is capable of working in environment of - 35°C to 75°C, providing 1, 2 or 4 100FX optical ports, combined with additional 10/100BaseTX ports to complete a solution of 8 ports switches.

The **ICE608** Series compact switches also provide single relay contact. The switch designed with no internal air flow requirements for cooling therefore it resists dust, dirt, moisture, smoke and insects. The versatile technology together with the rugged environment capabilities make the **ICE608** Series a powerful solution for outdoor installation and for surrounding, daisy chain and ring topology networks usually deployed for security surveillance and monitoring applications. The **ICE608** has been approved and certified for NEMA TS-1, Meets IEC61000-6-2 EMC Generic Standard Immunity for industrial environment.

Key Features

- 4, 6, 7 or 8 ports auto-negotiate for speed and duplexity at 10/100Base-T/TX
- One two or four fiber ports with 618, 628 or 648 respectively
- Full wire-speed forwarding rate
- Store-and-forward mechanism
- Provides 2K MAC address and 96K memory buffer
- Available with redundant 24/48V Terminal Block or 3A DC jack 12VDC with external 100-240VAC
- Environment temperature range from -35C to +75C
- Mounting choices for DIN-Rail, or Stand-alone desk top
- Alarms for power failure by relay output - Terminal Blocks
- Compatible with ICE808 running RSTP for fast recovery rings
- Compact Form Factor

ICE608 SERIES



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ICE608

RUGGED SWITCHES

TECHAYA LTD.

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Specifications

Technical Specifications

LED	Per Unit.....	Power Status (PWR1, PWR2)
	Per Port	10/100, LK/ACT (2 LEDs)
Cable	10Base-T	2-pair UTP Cat. 3, 4, 5, Up to 100m (328ft)
	100Base-TX	2-pair UTP Cat. 5, Up to 100m (328ft)
	100Base-FX	62.5/125µm Multi-Mode fiber optic cable 10/125µm Single-Mode fiber optic cable
Ethernet Standards	IEEE 802.3	10Base-T
	IEEE 802.3u	100Base-TX 100Base-FX
Switching Methods	.....	Store-and-Forward
Forwarding Rate	.....	14,880pps for 10Mbps
	.....	148,800pps for 100Mbps

Physical Specifications

Operating Temperature	.....	-35°C ~ 75°C
Storage Temperature	.....	-40°C ~ 85°C
Humidity	.....	5% ~ 95%, non-condensing
Dimensions	.....	W135mm x D123mm x H50mm (5.3"x5.1"x2.1") Compact Size
Weight	.....	0.8Kg
Approvals & Compliance	.....	CE, FCC, UL, NEMA TS-1
	.....	IEC 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6
	.....	IEC 61000-4-8, 61000-4-11, 60068-2-6, 60068-2-27, 60068-2-32
Power	.....	Redundant 24/48V DC or 100-240VAC,50-60Hz. External Universal PSU
Alarm Terminal Blocks	.....	Alarms for power failure (Open for Power Off, Closed for Power On (1A)
Power Consumption	.....	9W Max

Ordering information

Compact Size Hardened Fast Ethernet Switch:

ICE608	.....	Hardened switch with 8 10/100 TX ports
ICE618M/SC	.....	Hardened switch with 7 10/100 TX ports + 1 x 100 FX port (SC-MM-2km)
ICE618S15	.....	Hardened switch with 7 10/100 TX ports + 1 x 100 FX port (SC-SM-15km)
ICE628M/SC	.....	Hardened switch with 6 10/100 TX ports + 2 x 100 FX port (SC-MM-2km)
ICE628S15	.....	Hardened switch with 6 10/100 TX ports + 2 x 100 FX port (SC-SM-15km)
ICE628S15/ST	.....	Hardened switch with 6 10/100 TX ports + 2 x 100 FX port (ST-SM-15km)
ICE648M/SC	.....	Hardened switch with 4 10/100 TX ports + 4 x 100 FX port (SC-MM-2km)
ICE648S15	.....	Hardened switch with 4 10/100 TX ports + 4 x 100 FX port (SC-SM-15km)
ICE648S15/ST	.....	Hardened switch with 4 10/100 TX ports + 4 x 100 FX port (ST-SM-15km)

* Note: Default configuration is DIN-Rail, with Redundant 24VDC.

** All Models are available as -10C ~ +60C (ETR) or -35C ~ +75C (XTR).

*** Note: Fiber ports are also available for 40Km and different connector types.

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