



RUGGED ENVIRONMENT SOLUTIONS

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

ICE808 is a Series of SNMP managed, feature rich compact switches, that was especially designed for working under harsh environment. ICE808 Series is capable of working in environment of - 35°C to 75°C, providing one, two or four 100FX optical ports, combined with additional 10/100BaseTX ports to complete a solution of 8 ports switches.

The **ICE808** Series compact switches provide full wire speed; supports web based management and advanced features such as RMON, IGMP snooping, 802.1Q VLAN tagging, 802.1D spanning tree. The advanced management features together with the rugged environment capabilities make the **ICE808** Series a powerful solution for out-door installation and for surrounding, daisy chain and ring topology networks usually deployed for security surveillance and monitoring applications. The **ICE808** has been approved and certified by the National Electrical Manufacturers Association (aka NEMA).

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 818, 828 and 848 respectively
- 8 x 10/100Base-T/TX with one port gigabit uplink (TX, SX, LX, ZX) is also available with ICE818G
- Web based management, Telnet, SNMP Traps, Console
- 802.1W Rapid Spanning Tree and 802.1D Spanning Tree
- Back pressure and IEEE 802.3x compliant Flow Control
- Provides 4K MAC address and 2MB memory buffer
- Environment temperature range from -35C to +75C
- Mounting choices for DIN-Rail, or Stand-alone desk top
- Port-based VLAN up to eight groups and ID Tagged VLAN (IEEE 802.1Q)
- MAC-based Trunking (up to 4 groups of 4 ports per group).
- Port Mirroring
- Alarms for power failure by relay output - Terminal Blocks
- Available with redundant 24/48V Terminal Block or 3A DC jack 12VDC with external 100-240VAC

ICE808 SERIES



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RUGGED SWITCHES

TECHAYA LTD.

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Specifications

Technical Specifications

LED	Per Unit.....	Power Status
	Per Port	100/TX, 10/RX, FDX/COL (3LEDs)
Cable	10Base-T	2-pair UTP Cat. 3, 4, 5, Up to 100m (328ft)
	100Base-TX, 1000Base-TX	2-pair UTP Cat. 5, Up to 100m (328ft)
	100Base-FX, 1000Base-FX	62.5/125µm Multi-Mode fiber optic cable
		10/125µm Single-Mode fiber optic cable
Ethernet Standards	IEEE 802.3, 802.3.u	10Base-T, 100Base-TX, 100Base-FX
	IEEE 802.3z, 802.3ab	1000Base-TX, 1000Base-FX (SX, LX, ZX)
Switching Methods		Store-and-Forward
Forwarding Rate		14,880pps for 10Mbps
		148,800pps for 100Mbps and 1,488,000 for 1000Mbps

Physical Specifications

Operating Temperature	.....	-35°C ~ 75°C (-31°F ~ 167°F)
Storage Temperature	.....	-45°C ~ 93°C (-50°F ~ 200°F)
Humidity	.....	5% ~ 95%, non-condensing
Dimensions	.....	W135mm x D123mm x H50mm (5.3" x 5.1" x 2.1") Compact Size
Weight	.....	1.6kg
Emission Compliance	.....	CE, FCC, UL, NEMA TS-1, TS2
	.....	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
Power Consumption	.....	15W Max
Alarm Terminal Blocks	.....	Alarms for power failure (Open for Power Off, Closed for Power On (1A))

Ordering information

Compact Size Hardened Manageable Fast Ethernet Switch:

ICE808	Hardened Mang. switch with 8 10/100 TX ports
ICE818M/SC	Hardened Mang. switch with 7 10/100 TX ports + 1x100 FX port (SC-MM-2km)
ICE818S15	Hardened Mang. switch with 7 10/100 TX ports + 1x100 FX port (SC-SM-15km)
ICE828M/SC	Hardened Mang. switch with 6 10/100 TX ports + 2x100 FX port (SC-MM-2km)
ICE828S15	Hardened Mang. switch with 6 10/100 TX ports + 2x100 FX port (SC-SM-15km)
ICE848S15	Hardened Mang. switch with 4 10/100 TX ports + 4x100 FX port (SC-SM-15km)
ICE818GSX.....	Hardened Mang. switch with 8 10/100 TX ports + 1x1000 FX port (SC-SX)
ICE818GLX.....	Hardened Mang. switch with 8 10/100 TX ports + 1x1000 FX port (SC-LX)
ICE818GZX.....	Hardened Mang. switch with 8 10/100 TX ports + 1x1000 FX port (SC-ZX)
ICE818GTX.....	Hardened Mang. switch with 8 10/100 TX ports + 1x10/100/1000TX port
ICE818GLX/ST.....	Hardened Mang. switch with 8 10/100 TX ports + 1x1000 FX port (ST-LX)

* 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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