TECHAYA

RUGGED ENVIRONMENT SOLUTIONS

7 PORTS 10/100BASE-TX WITH 3 GIGABIT COMBO PORTS (SFP /RJ45) MANAGED SWITCH

ICE810G

The *ICE810G is a* Gigabit SNMP managed, feature rich compact switch, designed for working under harsh environment. ICE810G is capable of working in environment of -40°C to 85°C, providing Three Gigabit Combo ports (SFP/RJ45) combined with additional Seven 10/100BaseTX ports.

The **ICE810G** SNMP managed compact switch supports web based management and advanced features such as RMON, IGMP snooping, 802.1Q VLAN tagging, 802.1D spanning tree, Port Security. The advanced management features together with the rugged environment capabilities make the **ICE810G** switch a powerful solution for out-door installation and for daisy chain and ring topology networks usually deployed for security surveillance and monitoring applications.
The **ICE810G** case has been approved and certified IP-30 standard.

Key Features

- 7 ports auto-negotiate for speed and duplicity at 10/100Base-TX + 1 Console Port
- Three 100/1000Base-FX fiber ports SFP (SX, LX, ZX, WDM) or 10/100/1000TX
- Rugged, hardened IP30 case with Vibration/Shock resists.
- SNMP V2c, V3, Web-Based, RMON, Telnet, CLI via Console RS-232 Management
- Provides 8K MAC address and 1M memory buffer
- Dual 12-48V DC power supplies, with Reverse Polarity, Under/Over power protection
- STP (802.1d), RSTP (802.1w) and proprietary Super Ring for less then 50ms recovery
- Vlan Tagging (802.1q), IGMP Snooping, Link Aggregation, QoS priority (802.1p)
- Relay Output for alarm notifications of Lost Link, power failure 1A@24VDC, DO/DI
- Port Mirroring, Rate limitation, Compact Form Factor, DIN Rail mounting

Rugged Switches

Specifications

Technical Specifications

VLAN	………………………………Port Based VLAN, 802.1Q VLAN Tagging, GVRP
Port Trunk	……………………….. LACP Port Trunk, 4 Trunk groups, Max 4 ports per Trunk
QoS	………..IEEE802.1p CoS/ToS ,4 priority queues, Port Based, Tagging Based
	…..Bandwidth Control, Priority-Based rate Limiting, Broadcast/Multicast Filter
Security	......Port Mirroring, TX Only, RX Only, Both TX&RX, Port Security MAC Based
	....IP Security, IEEE802.1X with RADIUS Support
IGMP	……………………………………..…Query Mode and IGMP Snooping V1, V2
System Even Log	……….…System Log Server/Client, SMTP E-Mail Alert, Relay Alarm Output
DHCP/DNS/SNTP	………DHCP Client, DHCP Server, IP Relay, DNS Client, DNS Server, SNTP
Alarms	…. Relay Alarm 1A@24VDC, 2xDI(0=-30~2V, 1=10~30V, Max Current 8mA)
	…………………………………….. 2xDO, Normally Open to 40VDC, 200mA
ESD/EFT	………..6000VDC Ethernet ESD Protection, 3000VDC Power EFT Protection

Physical Specifications

Operating Temperature	………..XTR: -40ºC ~ 85ºC, ETR -10°C~70°C
Storage Temperature	....-40°C~ 85°C
Humidity	....5% ~ 95%, non-condensing
Dimensions	…...(W)72mm x (D) 105mm x (H)152mm Compact
Size Weight	....780g
Approvals & Compliance	………….. IP-30 Rugged Case
Power	......................Redundant 12 - 48V DC / 1.5A Power Supply (Terminal Blocks)
Alarms Relay Output	... .alarm notification for port or power failure 1A @ 24VDC
Power Consumption	………..10.2W at 24V
Approvals & Compliance	...........CE (EN55022, EN55024) ,FCC, EN60950, IEC60950-1, EN61000-3-2, EN61000-3-3, EN61000-6-3, ENC61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, IEC61000-4-11, IEC60068-2-6, IEC60068-2-27, IEC60068-2-32

Ordering information

ICE810G	.Hardened Managed. Switch with 7 X 10/100 TX ports and 3 Combo ports 100/1000FX (SFP/RJ45) ports
SFP1000SX	.... SFP Module, Gigabit Fiber – SX, Multi-mode, 500m
SFP1000LX	....SFP Module, Gigabit Fiber, Single Mode, 10km
SFP1000LX10	....SFP Module, Gigabit Fiber , Single Mode, 20km
SFP1000ZX	....SFP Module, Gigabit Fiber, Single Mode, 60Km

Note: All Models are available as ETR: -10ºC ~ +70ºC or XTR: -40ºC ~ +85ºC