



FEATURES

- Support for QoS (IEEE 802.1p/1Q) and TOS/DiffServ to enhance network stability
- Utilization of RMON to enhance network monitoring and predictive capabilities
- Support for port mirroring functionality, port rate limiting, broadcast storm suppression, multicast storm suppression, and unknown unicast storm suppression
- Security management: Support for ACL (Access Control List) to control access and support for 802.1X authentication

ICOM-16006	
SERVICE PORTS	8 * 10/100Mbps RJ45 copper PoE ports, Full/half duplex mode, Auto MDI/MDI-X connection, 2 * 1000Base-X ports (SFP or 1*9 optical modules, compatible with 100M/1000M)
LED INDICATORS	Power: PWR, System: RUN, Link/Act for copper and SFP ports
ETHERNET STANDARDS	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX, IEEE802.3x-Flow Control, IEEE802.3z-1000BaseLX, IEEE 802.1ab-Link Layer Discovery Protocol (LLDP), IEEE802.1D-Spanning Tree Protocol, IEEE802.1w-Rapid Spanning Tree Protocol, IEEE802.1Q -VLAN Tagging, IEEE802.1p -Class of Service, IEEE802.1X-Port Based Network Access Control and so on, IEEE802.3af-PoE standard, IEEE802.3at-PoE+ standard
MANAGEMENT	Supports SNMP v1/v2c/v3
REDUNDANCY TECHNOLOGY	Supports STP, RSTP, MSTP and ERPS
MULTICAST	Supports IGMP, MLD snooping
SWITCHING FUNCTIONS	Supports port rate limiting, port aggregation, port flow control, port based VLAN, IEEE 802.1Q VLAN, broadcast storm suppression
NETWORK SECURITY	IEEE 802.1x, HTTP, RADIUS, MAC address binding
INPUT VOLTAGE	DC48V (dual power redundancy)
OVER CURRENT PROTECTION	Current limit 4.0A
TRANSMISSION MODE	Store-and-forward
MAC TABLE SIZE	4K
PACKET BUFFER SIZE	9.5Mbps
BACKPLANE BANDWIDTH	12.8Gbps
SWITCHING LATENCY	<10μs
POWER	<8W(standby), <60W (full load)
HUMIDITY	5%~95% (non-condensing)
IP RATING	IP40, aluminium shell
DIMENSIONS	143.7mm*104mm*47.7mm
COOLING METHOD	Fanless natural cooling
EMI	FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS	IEC(EN)61000-4-2(ESD) : Contact: ±8kV, Air: ±12kV, IEC(EN)61000-4-3(RS) : 10V/m(80~1000MHz), IEC(EN)61000-4-4(EFT) : Ethernet Port: ±4kV CM//±2kV DM, IEC(EN)61000-4-5(Surge): Ethernet Port: ±4kV CM//±2kV DM, IEC(EN)61000-4-6(Conducted RF immunity) : 3V(10kHz~150kHz),10V(150kHz~80MHz), IEC(EN)61000-4-16(Conducted common mode disturbances immunity) : 30V cont. 300V, 1s, IEC(EN)61000-4-8
SHOCK	IEC 60068-2-27
FREE FALL	IEC 60068-2-32
VIBRATION	IEC 60068-2-6
MTBF	300,000 hours
OPERATING TEMP	-40~+80°C(-40~176°F)
STORAGE TEMP	-40~+85°C(-40~185°F)
WARRANTY	3 years