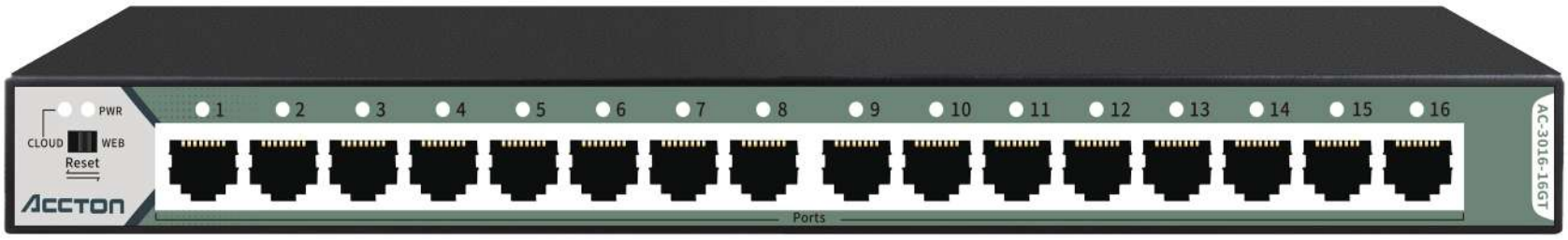
16-PORT 100/1000Mbps Cloud Managed Gigabit Switch

AC-3016-16GT



This product is a fully gigabit cloud-managed switch independently developed by our company. It provides 16 10/100/1000M adaptive RJ45 ports, supports remote mobile phone access for monitoring the operating status of the switch and management of various networkfunctions. It can be remotely managed by the WeChat mini-program"Cloud Network Management", and the switch ports can be remotely viewed and managed. It also supportslogin management through the web page



PRODUCT FEATURES & FUNCTIONS

- Provides 16 10/100/1000Base-T RJ45 ports；
- Comply IEEE 802.3 Ethernet、IEEE 802.3u Fast Ethernet、IEEE 802.3ab standard protocol；
- 3 gear functional switch，cloud network switch/default/VLAN 3 gears switch
- Support WeChat Applet“Cloud Network Management”remotely manage switch, Support local Web management；
- Support ports management，such as ports rate limited、ports duplex setting、ports mirroring；
- Support 802.1Q VLAN、MTU-VLAN，applicable to various networking service requirements；
- Support storm suppression of broadcast multicast；
- Support detection of Network cycle;
- Support DHCP Snooping，restrict the access of illegal DHCP servers;
- Support self-learning and aging of MAC address and port binding of static MAC;
- Support 4 Mbits package cache；
- Support 15kbytes Jumbo Frame；
- All ports support the Auto MDI/MDIX functions;
- Support IEEE802.3X full-duplex flow and Backpressure half-duplex flow control;
- Cloud Network Management: Visual remote management, on-site problems, and remote solutions;
- Over-current, over-load, and short-circuit protection to eliminate hidden dangers and ensure power receiving safety;
- Plug and play

PRODUCT PARAMETERS

INDICATOR DEFINITION：

Indicator Light	Definition	Function Description
Functional Indicator	CMG	ON：The function switch is in the cloud network management position
	D	ON：The system has completed startup. Flashing: The system is upgrading or starting up.
	VLAN	ON：The VLAN function is enabled
Port Indicator	Link/ACT	ON：The port link is normal; Flashing: Data is being transmitted.

GEAR DESCRIPTION:

Gear	Definition	Functional Description
CMG	Cloud managed mode	Cloud network management function enabled
D	Default mode	All ports communicate freely and are suitable for general mixed data transmission environments
VLAN	VLAN mode	The VLAN file enables ports 1 and 2 to be LAN ports, and ports 3 to16 are isolated from each other.

4. BASIC SPECIFICATION:

Item	Data
Port Composition	16 10/100/1000Mbps RJ45 ports, Meanwhile.
Backplane bandwidth	32G
MAC Address	8K
Packet forwarding rate @ 64byte (throughput)	26.784 Mpps
Powersupply	12V/1A, External power
Network media and transmission distance	1000Base-T: 4 pairs of Cat5e or higher UTP/STP(≤100m) 100Base-TX: 2 pairs of Cat5 or higher UTP/STP(≤100m) 10Base-TX: 2 pairs of Cat5e or higher UTP/STP(≤250m)

5. SOFTWARE SPECIFICATION

Item	Data
Basic functions	Comply with IEEE 802.3 Ethernet IEEE802.3u Fast Ethernet protocol standards Compatible with POE power supply devices that comply with the IEEE802.3af/at standards store and forward ; MAC automatic learning and aging IEEE802.3X full-duplex flow control & Backpressure half-duplex flowcontrol
Ethernet protocols and standards	IEEE 802.3 Ethernet Media Access Control Protocol IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x flow control

Data transmission rate	Ethernet 10Mbps half-duplex, 20Mbps full duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full duplex Gigabit Ethernet 2000Mbs Full Duplex
The supported contents of the remote control end (through the APP "Amitres IOT")	
Cloud Management: Device Operation	VLAN setting, port restart, port POE switch, port extension switch, switch restart, whole machine setting reset, firmware upgrade
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Security Features	Password-based protection Support MAC/PORT binding Support DHCP Snooping and DHCP attack protection Support port security and port isolation Support CPU protection function
Access control (ACL)	Support port mirroring, port redirection, flow rate limiting, and QoS remarking
Quality of Service (QoS)	Support 16 ports queue, Support port priority, 802.1P priority, DSCP priority Support SP, WRR, SP+WRR, and Equ priority scheduling algorithms
Management and Maintenance	Support WEB network management Support PC client management Support remote management via mini-programs/APP

7. ENVIRONMENTAL REQUIREMENTS:

Environment	Parameter
Temperature	Working temperature:0℃～40℃ - Storage temperature:-40℃～70℃
Humidity	Working humidity: 10%~90% RH non-condensing Storage humidity: 5%~90% RH non-condensing
Altitude	Working altitude: Maximum 6500 feet (2000meters) Storage altitude: Maximum 6500 feet (2000meters)

PRODUCT SIZE

