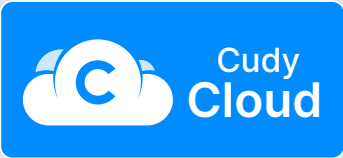


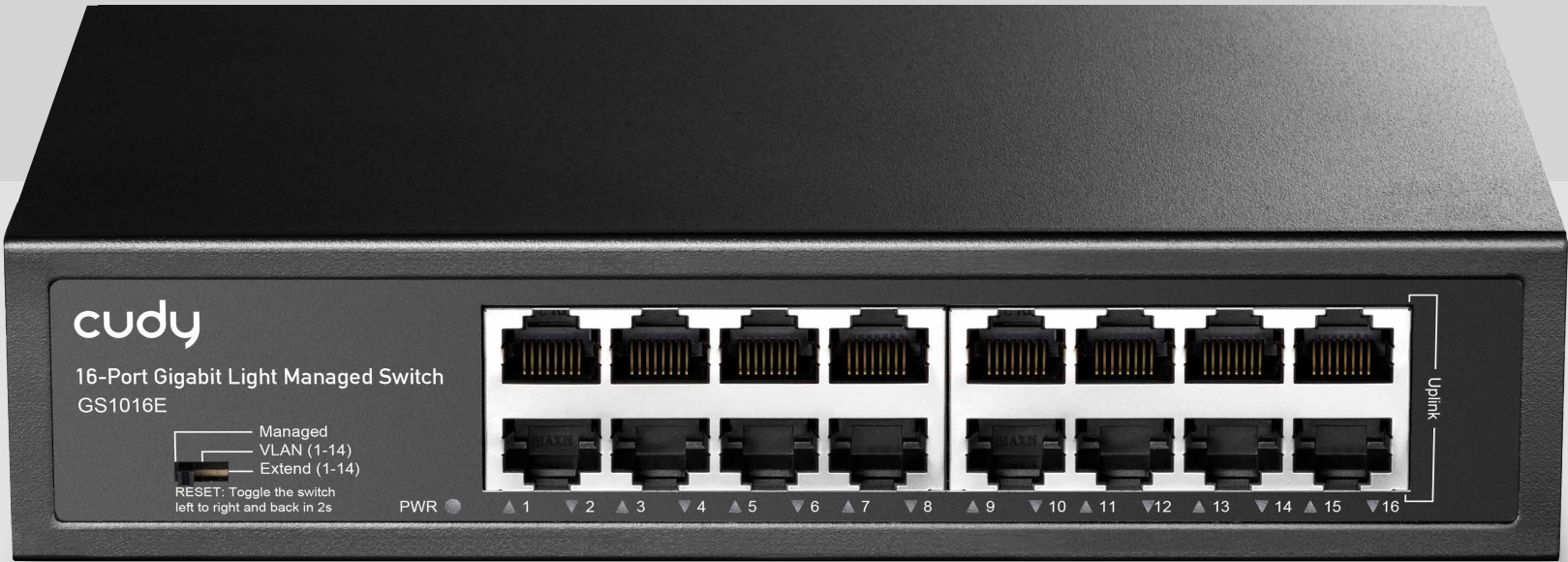


Model: GS1016E

16-Port Gigabit Cloud Easy-Managed Switch



[Datasheet](#)





Highlights

A 16-GbE switch with management features.

- 16× GbE
- Cudy App, Web Management, SNMP
- VLAN (802.1Q/MTU/Port-Based)
- QoS (802.1p/DSCP/Port-Based)
- Port Mirror, Static Aggregation, etc
- Loop Prevention
- DHCP Snooping, IGMP Snooping
- EEE (802.3az Power Saving)
- Managed/VLAN/Extend Preset Modes
- Desktop, Rack-Mount
- 200×118×44 mm (7.87×4.65×1.73")

Package Content

- GS1016E
- Power Cord
- Installation Guide
- Mounting Kit

Hardware Specs

Memory/Storage	Flash/ROM	8 MB (64 Mbit) NOR
Interfaces	Physical Buttons	Managed/VLAN/Extend DIP Switch
	Gigabit RJ45 Ports	16
	Extend Mode Ports	#1~#14
	VLAN Mode Ports	#1~#14
	LED	Power
		Speed/Link/ACT of Each Ethernet Port
Performance	Power Input	AC Inlet
	Copper Speed and Distance	Cat. 3 or higher cable: 100 meters at 10 Mbps
		Cat. 5 or higher cable: 100 meters at 100 Mbps
		Cat. 5e or higher cable: 100 meters at Gigabit
		Cat. 5e or higher cable: 250 meters at 10 Mbps
		Cat. 6 or higher cable: 150 meters at Gigabit
	Copper Speed and Distance Note	250-meter transmission is only available on the Extend Mode ports.
	MAC Address Table	8192
	Max Switching Capacity	32 Gbps
	Max Forwarding Rate	23.808 Mpps
	Max VLANs	4096
	Jumbo Frame	15 KB
Power	Packet Buffer	4 Mbit
	Power Saving	Support
	Power Methods	AC
	AC	90~260V 50/60Hz
	Max/Idle Consumption	7.8W/4.5W



Hardware Specs

Reliability	Grounding Methods	Three-Prong Plug
		Grounding Point
	Lightning/Surge Protection	RJ45: 4KV
		AC: CM 4KV/DM 2KV
	ESD Contact Protection	6KV
	ESD Air Protection	8KV
	Environment	Operating Temperature:
		0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature:
		-40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Operating Humidity:
		10% ~ 90% non-condensing
Mechanical	Dimension	200×118×44 mm
		7.87×4.65×1.73 inches
	Casing Material	Metal
	Installation	Desktop
		Rackmount via Brackets

Software Specs

Switching	802.3 Protocols	802.3x Flow Control
		802.3i 10BASE-T
		802.3u 100BASE-T
		802.3ab 1000BASE-T
		802.3az Power Saving
	802.1 Protocols	802.1p: LAN Layer 2 QoS/CoS
		802.1q: VLAN Bridge Operation
		802.1ab: LLDP/LLDP-MED
	Ethernet	Full Duplex, Half Duplex (CSMA/CD)
		Auto-Negotiation, Auto MDI/MDIX
	Forwarding Methods	Store-and-Forward
	Port Management	Port On/Off
		Port Negotiation Speed
		Port Trunk (Static Aggregation)
		Port Mirror
		Data Rate Limit
		Jumbo Frame Settings
		Storm Control
		Traffic Monitor
		MAC Address Management
EEE (802.3az)		
Port Trunk Capacity	Max 8 Ports per Group / Max 4 Groups	
Port Mirroring Sessions	4	



Software Specs

Switching	L2 Features	IGMP Snooping
		Loop Prevention
		DHCP Snooping
		LLDP Config and Neighbors
		MTU VLAN
		Port-Based VLAN
		802.1Q VLAN
		DSCP QoS
		802.1p QoS
		Port-Based QoS
		8-Queue
SP/WRR/WFP Scheduling		

System	Control Methods	Cudy App, Config Web Page
		SNMP V1/V2
	Firmware Upgrade	Local Upgrade
	Reliability	Backup and Restore
	Diagnostic Tools	Cable Status/Length Diagnosis
		Ping
	Languages	English
		Bengali
		German
		Spanish
		French
		Portuguese
		Russian
		Arabic
		Indonesian
		Hindi
Urdu		
Traditional Chinese		
Simplified Chinese		