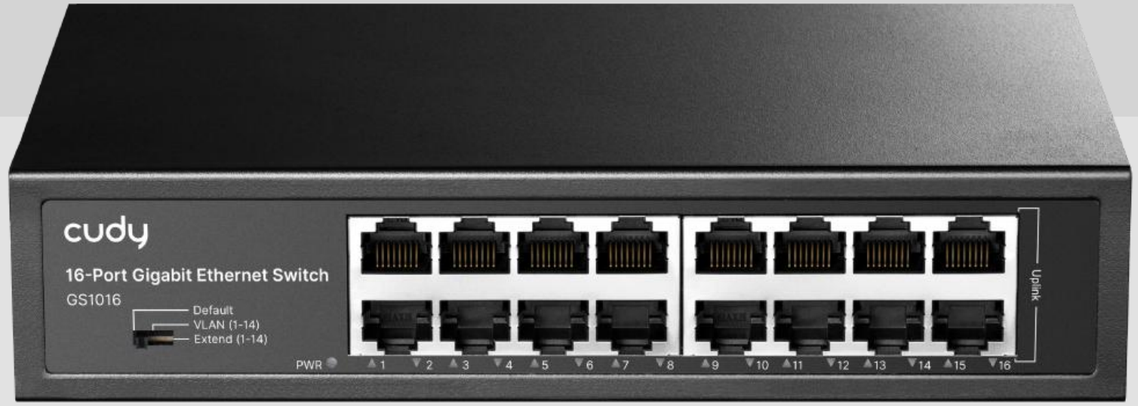
Model: GS1016 5.0

16-Port Gigabit Unmanaged Switch



Datasheet

Highlights

A 16-GbE switch with VLAN/Extend functions and a fanless cooling system.

- 16× GbE
- Default/VLAN/Extend Modes
- Extend for 250 meters Transmission
- VLAN for Clients Isolation
- Desktop, Rack-Mount
- 200×118×44 mm (7.87×4.65×1.73")
- 617 g (21.76 oz.)

The speed will be limited at 10 Mbps under the Extend/Long-Range mode.

Package Content

- GS1016
- Power Cord
- Installation Guide
- Mounting Kit

Specifications

Model Version	GS1016 5.0	
Interfaces	Gigabit RJ45 Ports	16
	Shielded RJ45 Port	True
	Extend Mode Ports	#1~#14
	VLAN Mode Ports	#1~#14
Buttons and LEDs	LED	• Power • Link/ACT of Each Ethernet Port
	Physical Buttons	VLAN/Default/Extend DIP Switch
Performance	Max 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

Performance	Copper Speed and Distance Note	250-meter transmission is only available on the Extend Mode ports when the Extend Mode is activated.
	MAC Address Table	8192
	VLANs	4096
	Max Switching Capacity	32 Gbps
	Max Forwarding Rate	23.808 Mpps
	Jumbo Frame	15 KB
	Packet Buffer	4 Mbit
Power	Power Input Type	AC Inlet
	Basic Power Saving	True
	Power Methods	AC
	Power Input	90-260V~ 50/60Hz
	Max Power Consumption	7.8W
	Idle Power Consumption	4.5W

Specifications

Switching	802.3 Protocols	• 802.3x Flow Control • 802.3i 10BASE-T • 802.3u 100BASE-TX • 802.3ab 1000BASE-T
	802.1 Protocols	802.1p: LAN Layer 2 QoS/CoS
	Ethernet	• Full Duplex • Half Duplex (CSMA/CD) • Auto-Negotiation • Auto MDI/MDIX
	Forwarding Method	Store-and-Forward
	L2 Features	• IGMP Snooping • Loop Prevention • Loop Detection • DSCP QoS • 802.1p QoS
Reliability	MTBF	>200,000 h
	Grounding Methods	• Three-Prong Plug • Grounding Point

Reliability	EMS	IEC/EN 61000-4-2, Level 3 ESD: Contact: 6kV; Air: 8kV IEC/EN 61000-4-5, Level 4 Surge: Power: DM 2kV, CM 4kV; RJ45: CM 4kV
	Environment	Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing
Mechanical	Dimension	200×118×44 mm 7.87×4.65×1.73 inches
	Product Weight	640.2 g (22.58 oz.)
	Casing Material	Metal
	Installation	• Desktop • Rackmount via Brackets

Specifications

Package Content	• GS1016 • Power Cord • Installation Guide • Mounting Kit	
Ordering Information	Retail Package Dimension	230×202×78 mm 9.06×7.95×3.07 inches
	Retail Package Weight	EU: 1096.6 g (38.68 oz.)
	Units per Carton	10
	Carton Net Weight	EU: 11.0 kg (24.25 lbs)
	Carton Gross Weight	EU: 11.8 kg (26.01 lbs)
	Carton Dimension	48.2×41×22.1 cm 18.98×16.14×8.7 inches