Allied Telesis™

CentreCOM® GS920 Series

Gigabit Ethernet DIP Smart Switches

The Allied Telesis GS920 Series offers DIP Smart Gigabit switching solutions for the desktop and small networks. Front-panel DIP switches provide easy configuration of commonly-used features, without the need for a PC.

DIP switches

GS920 series switches provide port configuration for Speed/Duplex, Loop Detection and Flooding mode. The ability to set up the DIP switch without a PC saves money and time.

High performance

The GS920 Series delivers ultra-fast speed and high performance for today's high-bandwidth applications, such as video, graphics and industrial design, using Gigabit Ethernet.

Quality and reliability

Allied Telesis is a world leader in unmanaged Ethernet switches, and ships more than 250,000 unmanaged switches every year. Allied Telesis offers both proven reliability and industry-leading quality.

Speed/duplex configuration

The GS920 Series allows speed and duplex to be set on a per-port basis. This supports older devices where auto-negotiation is not supported, as well as embedded devices which may support a fixed speed/duplex only.

Loop detection

The Loop Detection feature discovers network loops, and shuts down affected ports. After the loop is resolved, affected ports are automatically returned to active use.
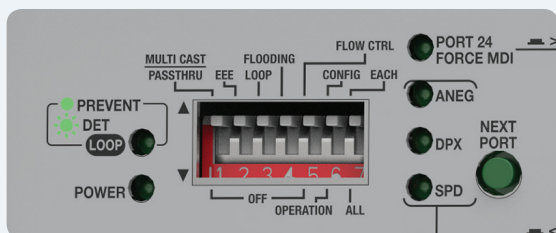
Flooding mode

Flooding mode allows the easy capture of data streams for troubleshooting and analysis, as they are sent to all ports.

Key Features

- ▶ DIP smart switches.
- ▶ Loop Guard (Loop Detection) for avoiding loops at the network edge.
- ▶ Loop Detection Frames are regularly sent, and affected ports are shut down if a loop is discovered.
- ▶ IEEE802.3az Energy Efficient Ethernet (EEE).*
  *only on 100/1000M
- ▶ Force MDI avoids incorrect cabling and potential network loops.
- ▶ EAPOL/BPDU forwarding.
- ▶ Flow control.
- ▶ Speed/duplex configuration.
- ▶ Flooding mode.

DIP Switch

It is possible to easily set up the loop guard function, packet transmission function, etc. that need to be set by CLI or GUI operation, with the DIP switch.

GS920 Series | Gigabit Ethernet DIP Smart Switches

Physical Specifications

PRODUCT	WIDTH X DEPTH X HEIGHT	WEIGHT	SWITCHING CAPACITY	MAC ADDRESS	POWER CURRENT	MAX POWER CONSUMPTION
GS920/8	210 x 121 x 38 mm (8.27 x 4.76 x 1.50 in)	0.8 kg (1.76 lb)	16Gbps	4K	0.2A	4.5W
GS920/16	263 x 179 x 38 mm (10.35 x7.05 x 1.50 in)	1.5 kg (3.31 lb)	32Gbps	8K	0.3A	12W
GS920/24	341 x 210 x 44 mm (13.43 x 8.27 x 1.73 in)	2.1 kg (4.63 lb)	48Gbps	8K	0.4A	18W

Performance

14,880pps for 10Mbps Ethernet
148,800pps for 100Mbps Ethernet
1,488,000pps for 1000Mbps Ethernet

Default aging time: 200-600 seconds

Packet Buffer
GS920/8: 192Kbytes
GS920/16, 24: 524Kbytes

Jumbo Frames
GS920/8, 16, 24: 9216bytes

DIP Switch Functionality

Loop Detection
EAP/BPDU passthrough
Half/full-duplex
Auto-negotiation
Auto or Fixed MDI/MDI-X
Flow control
Energy Efficient Ethernet (only for 100M/1000M)

Interface Connections

10/100/1000T RJ-45

Environmental Specifications

Operating temperature: 0ºC to 50ºC (32ºF to 122ºF)
Storage temperature: -20ºC to 70ºC (-4ºF to 158ºF)
Operating humidity: 5 - 90% (non-condensing)
Storage humidity: 5 - 95% (non-condensing)
Operating altitude range: up to 2,000 m (6,562 ft)

Power Characteristics

Voltage: 100 - 240V AC
Frequency: 50 - 60 Hz

Standards and Compliance

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3x Flow Control
IEEE 802.3az Energy-Efficient Ethernet

Electrical/Mechanical Approvals

EAC certification
GS920/8, 16

▶ EN55024
▶ ICES Class B
▶ VCCI Class B
▶ FCC Class B
▶ EN55032:2012 Class B
▶ CISPR 32 Class B
▶ CE

GS920/24

▶ EN55024
▶ ICES Class A
▶ VCCI Class A
▶ FCC Class A
▶ EN55032:2012 Class A
▶ CISPR 32 Class A
▶ CE

Safety

UL60950-1, 2nd Edition
CSA C22.2 No.60950-1-07, 2nd Edition
IEC60950-1(UL-EU, UL-CB)

Restrictions on Hazardous Substances (RoHS) Compliance

EU RoHS compliant

Rack Mount and Wall Mount

GS920/8, 16: optional
GS920/24: included

Features

DIP switch configuration
BPDU/EAP pass-through
Flow control
Speed/Duplex configuration
Loop guard
Force MDI
Jumbo Frame
Energy Efficient Ethernet (EEE)* (*only on 100/1000M)
Eco-friendly

Ordering Information

AT-GS920/8[1]
8-port 10/100/1000T unmanaged switch with internal PSU

AT-GS920/16[2]
16-port 10/100/1000T unmanaged switch with internal PSU

AT-GS920/24
24-port 10/100/1000T unmanaged switch with internal PSU

Accessories

AT-BRKT-J23
Wall mount kit for AT-GS920/8, 16

AT-RKMT-J05
Rack mount kit for AT-GS920/16

AT-RKMT-J08
Rack mount kit for AT-GS920/8

[1] Available in Q4/2017
[2] Available in Q3/2017

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NETWORK SMARTER