English

GigaX1105
GigaX1108

Quick Installation Guide

English

Introduction

The GigaX1105 (5-port 10/100/1000M) and GigaX1108 (8-port 10/100/1000M) switches provide non-blocking switching performance in all traffic environments.

Both the GigaX1105 and the GigaX1108 switches provide seamless Gigabit and Fast Ethernet integration into your existing or new networks. Both models feature auto-sensing and auto MDI/MDIX Ethernet ports for simple connectivity and optimal performance. The installation is as simple as connecting Ethernet cables between the GigaX1105 or the GigaX1108 and your network devices. These compact, elegant and fan-less 5/8-port Gigabit switches are packed with Gigabit power that easily satisfies the bandwidth-hungry network applications and devices.

Features

- Plug-and-play with your networks – auto MDI/MDIX, and auto-sensing for speed and duplex mode on all ports
- Fan-less design provides quiet operation
- Space-saving form factor that fits on a desk, mounts on a wall, or attaches to metal surface
- Flow control schemes to support zero loss under temporary network congestion
- 4K MAC address learning and aging for concurrent connections to 4K nodes
- Up to 2Gbps for all ports in full-duplex mode
- Easy to read LEDs providing quick overview of connection status on all ports

Package contents

The following items are included in the package.

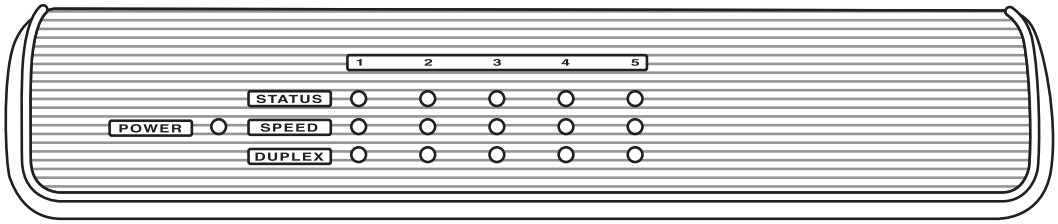
- Switch (GigaX1105 or GigaX1108)
- AC adapter
- This installation guide
- Wall mount screws

NOTE. Contact your retailer if any of the items are damaged or missing.

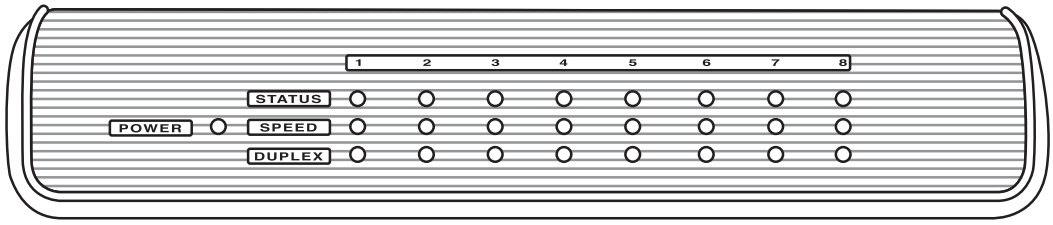
Front panel

English

The GigaX1105 and GigaX1108 differ only in the number of Ethernet ports. The LED indicators function the same on both models.



GigaX1105



GigaX1108

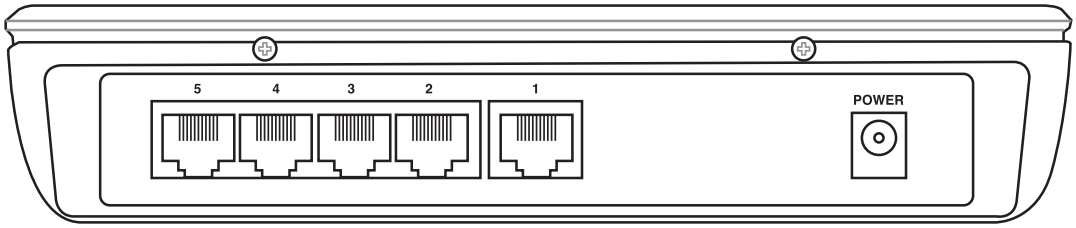
Front Panel Table

Label/LED	Color	Status	Indication
POWER	Green	ON OFF	The switch is powered on. The switch is powered off.
1 – 5 (GigaX1105) **1 – 8 (GigaX1108)**	(white text) (white text)		Each number identifies the port. Each number identifies the port.
STATUS	Green	ON Blinking OFF	A link is established A link is established and data is being transmitted or received. No link is established.
SPEED	Green Amber	ON ON OFF	1000Mbps 100Mbps 10Mbps or no link is established.
DUPLEX	Amber	ON Blinking OFF	Switch is operating in full-duplex mode. Switch is operating in half-duplex mode and collisions are occurring. Switch is operating in half-duplex mode and no collisions are observed.

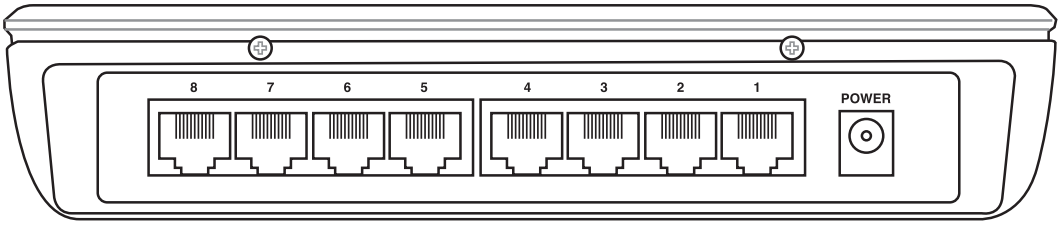
English

Rear panel

The GigaX1105 and GigaX1108 differ only in the number of Ethernet ports.



GigaX1105



GigaX1108

Rear Panel Table

Label/LED	Color Status Indication
1 – 5 (GigaX1105)	RJ-45 ports for connecting to other network devices
1 – 8 (GigaX1108)	RJ-45 ports for connecting to other network devices
POWER	Connects to the supplied AC adapter.

Connecting network devices

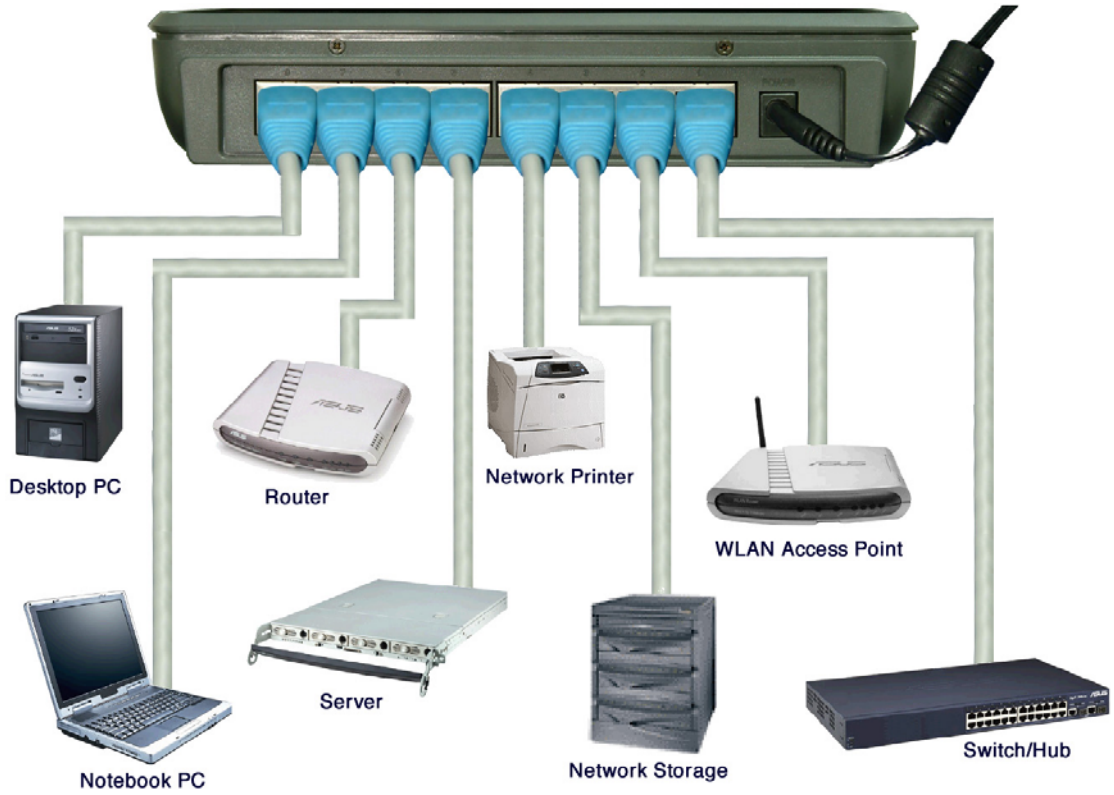
Follow these instructions to connect network devices to the GigaX1105 or GigaX1108 switch.

1. Connect one end of the Ethernet cable to the Ethernet port on the rear panel of the switch. Connect the other end to the Ethernet port on the other network device. Repeat this step for additional network devices.

NOTES

- Use Category 5 Ethernet cables, not exceeding 100 meters (328 feet), otherwise, there will be connection problems or a decrease in data transfer speeds.
- The Ethernet ports on the switch may be used as uplinks to other switches, hubs, bridges, or repeaters. The switch is capable of detecting and adjusting either crossover or straight-through cables.

GigaX1108 Connection Example



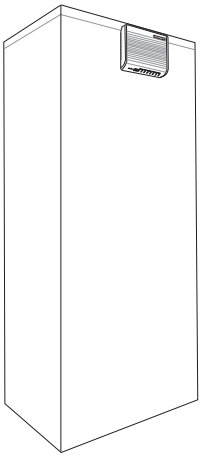
2. Plug one end of the AC power cord to the power connector on the switch rear panel, then plug the other end to an electrical outlet.
3. The Power LED and LED indicators for active Ethernet ports light up indicating that the device is turned on and in use. Refer to the front panel table for LED indications.

Placement options

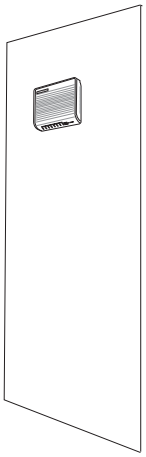
Depending on your environment, you may choose one of the three supported placement options for GigaX1105 and GigaX1108 – desktop placement, magnet mount, and wall mount. The following pictures show the three available placement options.

Desktop Placement

Magnet Mount



Wall Mount



Desktop placement

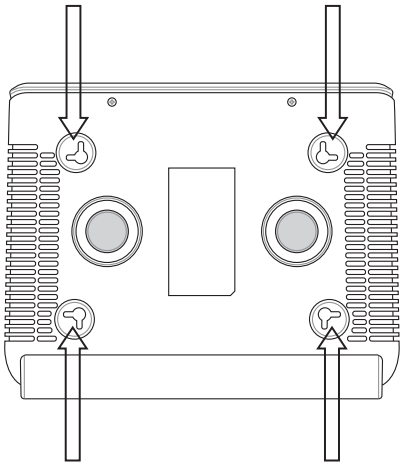
You may place the GigaX1105 or GigaX1108 on any flat surface. The space-saving design of the GigaX1105 and GigaX1108 occupies only a small area on your desk.

Magnet mount instructions

Attach the switch onto any metal surface that attracts magnets, such as most desktop computer housings and file cabinets.

Wall mount instructions

1. Attach two screws on the wall in-line with the screw slots on the bottom of the switch as indicated in the following figure. There are 4 screw slots, but you may choose any two adjacent screw slots for wall mounting.
2. Maneuver the switch so that both screws are inserted into the wall mount slots.



Troubleshooting

This troubleshooting guide provides answers to some common problems which you may encounter while installing and/or using ASUS network switches. These problems require simple troubleshooting that you can perform by yourself. Contact ASUS Technical Support if you encounter problems not mentioned in this section.

Problem	Action
The POWER LED does not light up.	Verify that you are using the AC adapter provided with the switch and that it is securely connected to the switch and an electrical outlet with the correct output voltage.
The STATUS LED does not light up after an Ethernet cable is attached.	• Verify that the Ethernet cable is securely connected to the switch and your network device. • Make sure that the switch and your network device are powered ON. • Verify that your cable is sufficient for your network requirements. Make sure that Category 5 cable is used. 10Mbit/sec connections may tolerate lower quality cables.
Collisions are occurring (DUPLEX LED blinking) and network performance is reduced.	• Try replacing your UTP Category 5 cable with a new one. • Check the cable length. The cable length between the switch and the network device must not exceed 100 meters (328 feet). • Some old network devices may have this problem and cannot be avoided.
The speed indicator shows incorrect speed.	Make sure that the cable used are Category 5 certified.

Glossary

10BASE-T	10 Mbps Ethernet over twisted pair cable (Category 3).
100BASE-T	100 Mbps Ethernet over twisted pair cable (Category 5)
1000BASE-T	1000 Mbps Ethernet over twisted pair cable (Category 5)
Auto MDI/MDIX	Allows network connections using either straight through or crossover cables.
Ethernet	The most commonly installed computer network technology, usually using twisted pair wiring. Ethernet data rates are 10 Mbps, 100 Mbps and 1000 Mbps.
Mbps	Abbreviation for Megabits per second, or one million bits per second. Network data rates are often expressed in Mbps.
network	A group of computers that are connected together, allowing them to communicate with each other and share resources, such as files. A network can be small, such as a *LAN*, or very large, such as the *Internet*.

Technical specifications

Physical Dimensions

42.5mm (H) X 194 mm (W) X 153mm (D)

Environmental Ranges

Operating temperature:	0ºC ~ 40ºC (32ºF to 104ºF)
Storage temperature:	-20ºC ~ 70ºC (-4ºF to 158ºF)
Operating humidity:	10% – 90% non-condensing
Storage humidity:	10% – 95% non-condensing
Operating altitude:	up to 10,000 ft (3,000m)
Storage altitude:	up to 40,000 ft (12,000m)
Vibration / Shock / Drop:	IEC 68-2-36 / IEC 68-2-29 / IEC 68-2-32

Power (External AC-DC adaptor)

Input voltages (varies depending on region)

• China:	AC 220V, 50Hz
• Europe:	AC 230V, 50Hz
• Japan:	AC 100V, 50Hz
• US:	AC 120V, 60Hz
Output voltage / Current:	DC 12V / 1.25A

Certification

Safety:	UL1950, TUV
EMC:	FCC Part15: Class B, CE

English

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