

About Cisco 1100 Terminal Gateway Routers

Cisco 1100 Terminal Gateway Routers are terminal servers that provides asynchronous connections to the console ports for Cisco devices.

Table 1: Base Models of the Cisco 1100 Terminal Gateway Routers

Base Models	Asynchronous Ports	NIM Slot	Switch	Memory
C1100TG-1N32A	32	Yes	None	2GB Dram/ 4GB flash
C1100TG-1N24P32A	32	Yes	24 port L2 Switch	4GB Dram/ 4GB flash
C1100TGX-1N24P32A	32	Yes	24 port L2 Switch	8GB Dram/ 8GB flash

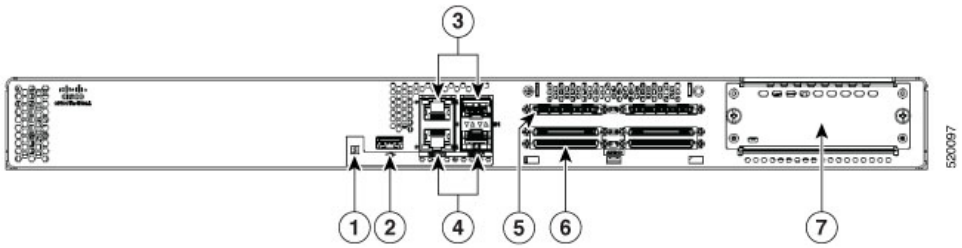
For more information on the features and specifications of Cisco 1100 Series Terminal Gateway Routers, refer to Cisco 1100 Terminal Gateway Routers datasheet.

- Chassis Views, on page 1
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Chassis Views

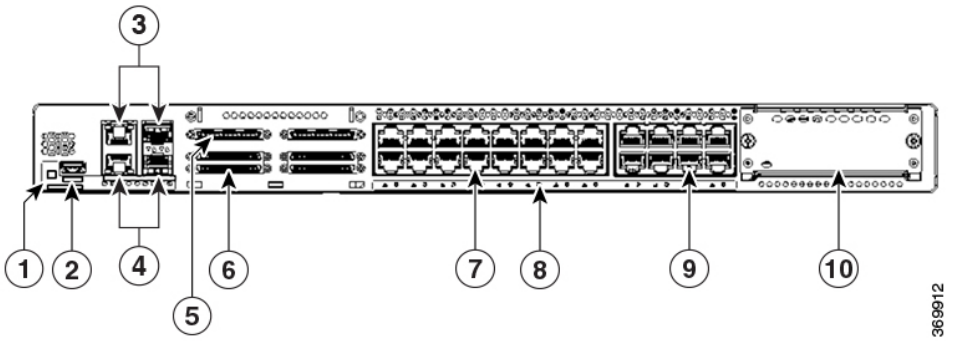
This section contains front and back panel views of the Cisco 1100 Terminal Gateway Routers-showing locations of the power and signal interfaces, interface slots, status indicators, and chassis identification labels.

Figure 1: C1100TG-1N32A - I/O View



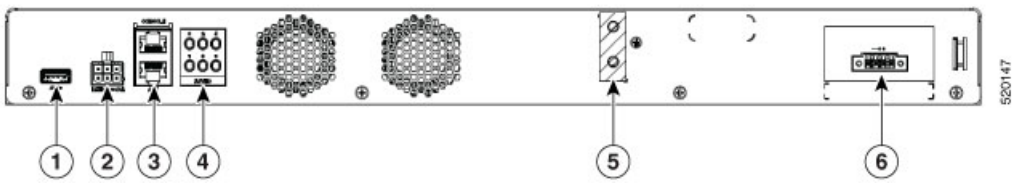
1	System LED	2	USB 2.0
3	GE WAN 0/0/0 - RJ45/SFP	4	GE WAN 0/0/1 – RJ45/SFP
5	ASYNC 16 port	6	ASYNC 32 port
7	NIM		

Figure 2: C1100TG-1N24P32A and C1100TGX-1N24P32A - I/O View



1	System LED	2	USB 2.0
3	GE WAN 0/0/0 - RJ45/SFP	4	GE WAN 0/0/1 – RJ45/SFP
5	ASYNC 16 port	6	ASYNC 32 port
7	Ethernet Switch 0-15	8	Ethernet Switch LED 0-23
9	Ethernet Switch 16-23	10	NIM

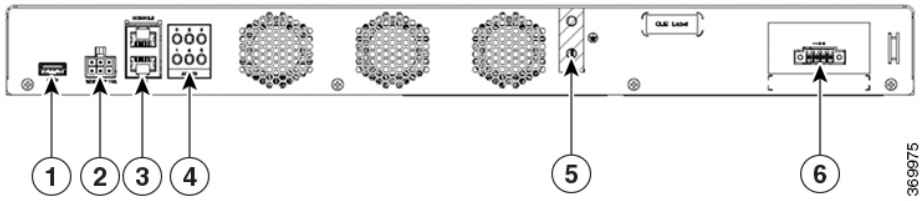
Figure 3: C1100TG-1N32A - Rear View



1	USB 3.0	2	6-pin Power Connector

3	RJ-45 Console, AUX	4	ASYNC LED
5	Grounding Attachment	6	Power Supply

Figure 4: C1100TG-1N24P32A and C1100TGX-1N24P32A - Rear View



1	USB 3.0	2	6-pin Power Connector
3	RJ-45 Console, AUX	4	ASYNC LED
5	Grounding Attachment	6	Power Supply

LED Indicators

The following figures and table summarizes the LED indicators that are located on the chassis of the Cisco 1100 Terminal Gateway Routers.

Figure 5: LED Indicators - C1100TG-1N32A I/O Side

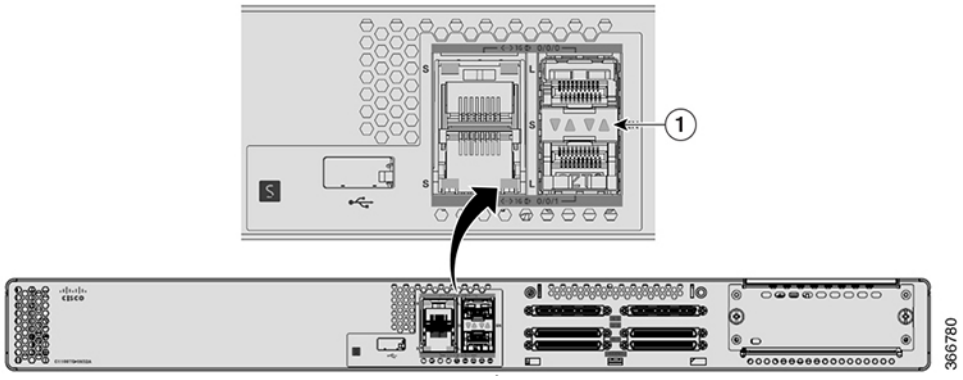


Figure 6: LED Indicators - C1100TG-1N24P32A and C1100TGX-1N24P32A I/O Side

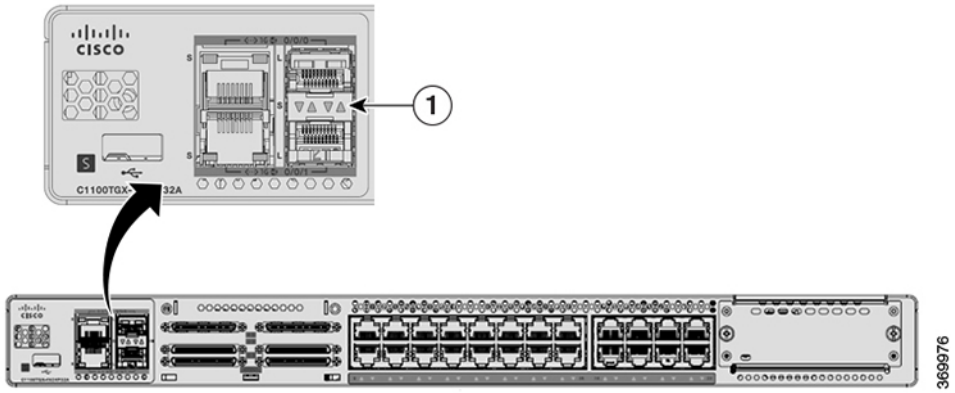


Table 2: LED Indicators for Cisco Cisco 1100 Terminal Gateway Router

Port	LED Color	Description	Control Source
System LEDs	Green and Amber	Off—Systempower off	Bezel side. All models.
		Steady Green - System operates normally.	
		Blinking Green — BIOS/Rommon is booting.	
		Steady Amber — Thermal trip.	
		Blinking Amber – Alarm, Secure boot failure.	
LAN Port LEDs	Green	Off— No link	Bezel Side
		Steady On— Link	
		Blink - TXD/RXD Data	
WAN Port LEDs	Green and Amber	Green - Indicates SFP module detected	Bezel Side
		Amber - Indicates SFP is not detected or at fault	
ASYNC Port LEDs	Green	link established	Rear side

Power Supply

The product power specifications are as follows:

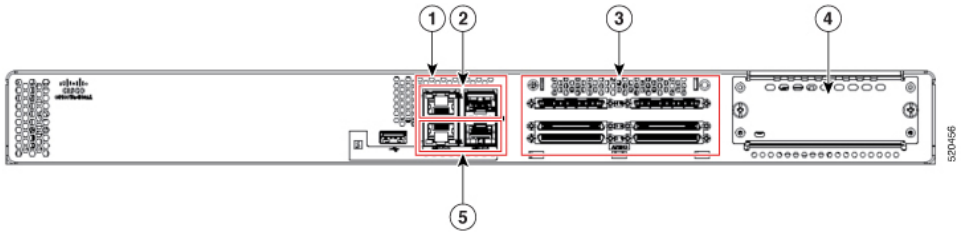
- AC input voltage: 100 to 240 VAC, 1.6 A, 50-60 Hz
- DC input voltage: 48 to 60 VDC or -48 to -60 VDC, 4.2 A
- External power supply option: 100 to 240 VAC, 50 - 60 Hz
- HVDC power supply: 240 VDC, 0.9 A

Slots and Interfaces

About Slots, Subslots, and Port Numbering

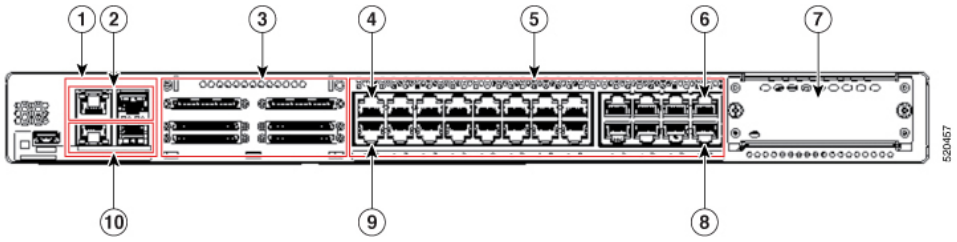
The following figure shows slots and subslots numbering for C1100TG-1N32A:

Figure 7: C1100TG-1N32A: Slots and Subslots



1	Slot 0/0 Front panel Gigabit Ethernet
2	RJ45/SFP combo GigaEthernet 0/0/0
3	Slot 0/1 onboard Async serial 1 = 0-7 2 = 8-15 3 = 16-23 4 = 24-31 5 = 32-39 6 = 40-47 Async 0/1/0 ~ Async 0/1/47
4	Slot 0/2 NIM slot
5	RJ45/SFP combo GigaEthernet 0/0/1

Figure 8: C1100TG-1N24P32A and C1100TGX-1N24P32A: Slots and Subslots

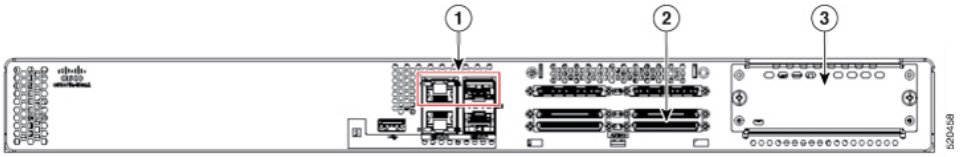


1	Slot 0/0 Front panel Gigabit Ethernet
2	RJ45/SFP combo GigaEthernet 0/0/0
3	Slot 0/1 onboard Async serial 1 = 0-7 2 = 8-15 3 = 16-23 4 = 24-31 5 = 32-39 6 = 40-47 Async 0/1/0 ~ Async 0/1/47
4	LAN 0
5	Slot 0/2 Onboard L2 switch GigaEthernet 0/2/0 ~ GigaEthernet 0/2/23
6	LAN 22
7	Slot 0/3 NIM slot
8	LAN 23
9	LAN 1
10	RJ45/SFP combo GigaEthernet 0/0/1

Async line Numbering

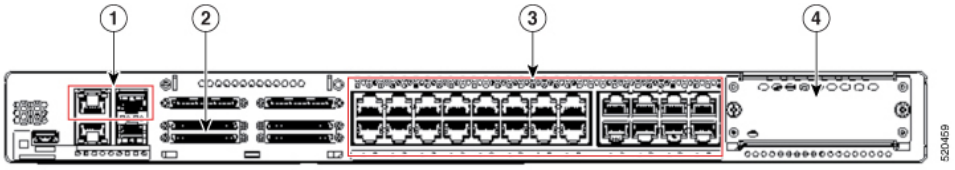
Cisco 1100 Terminal Gateway Routers has 32 onboard async ports, line number starts at 2 and ends at 33. An optional Daughter Card with 16 async ports can be added to Nanook base and Nanook+, line number for Daughter Card starts at 33 and ends at 49.

Figure 9: C1100TG-1N32A: Line Numbering



1	GigaEthernet 0/0/0 to 0/0/1
2	Async 0/1/0 to Async 0/1/47 0 = 2-9 1 = 10-17 2 = 18-25 3 = 26-33 4 = 34-41 5 = 42-49
3	NIM 0/2

Figure 10: C1100TG-1N24P32A and C1100TGX-1N24P32A: Line Numbering



1	GigaEthernet 0/0/0 to 0/0/1
2	Async 0/1/0 to Async 0/1/47 0 = 2-9 1 = 10-17 2 = 18-25 3 = 26-33 4 = 34-41 5 = 42-49
3	GigaEthernet 0/2/0 to 0/2/23
4	NIM 0/3

Fans, Ventilation and Airflow

Router and chassis temperature is regulated with internal fans. An onboard temperature sensor controls the fan speed. The fans are always on when the router is powered on. Under most conditions, the fans operate at the slowest speed to conserve power and reduce noise. When necessary, the fans operate at higher speeds under conditions of higher ambient temperature.

Figure 11: C1100TG-1N32A - Airflow

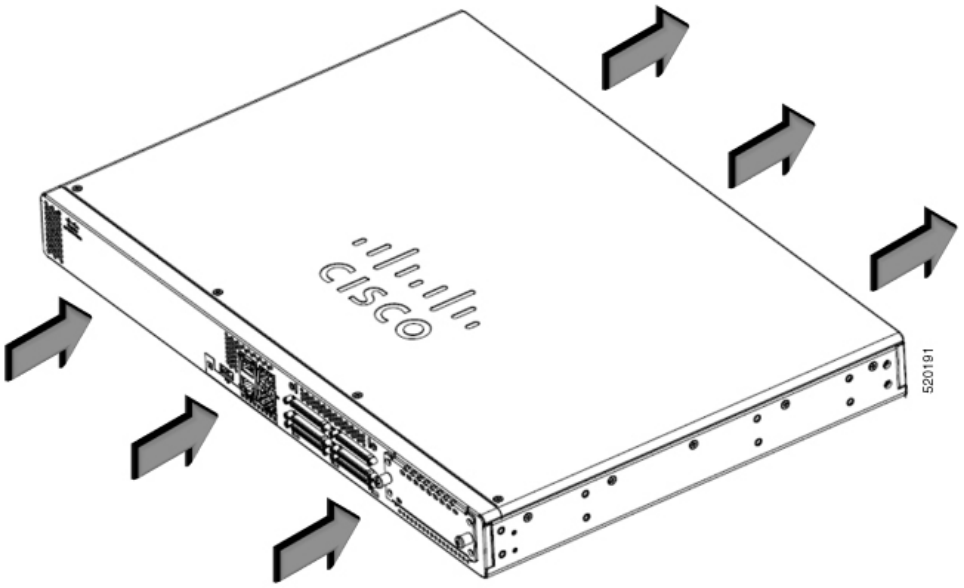
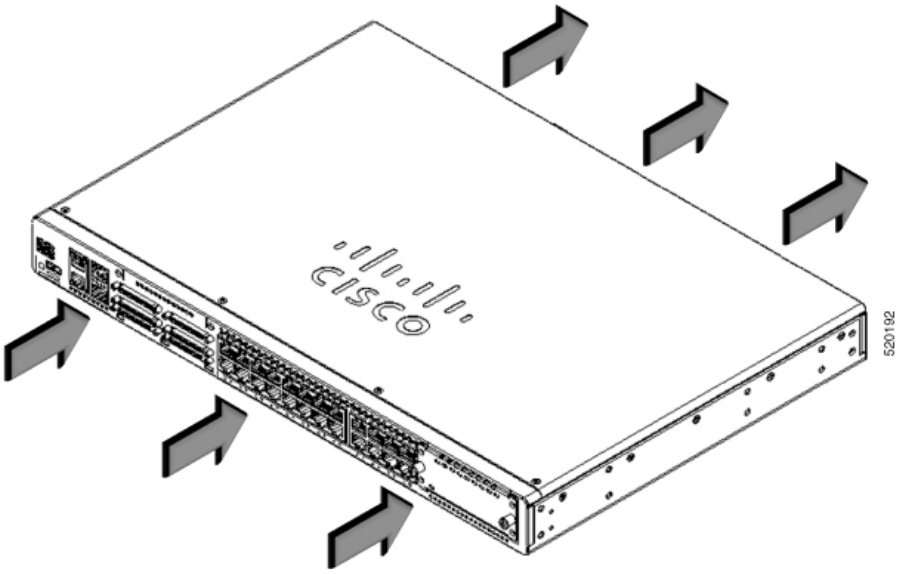


Figure 12: C1100TG-1N24P32A and C1100TGX-1N24P32A - Airflow



Specifications of Cisco 1100 Series Integrated Services Routers

For specifications on the Cisco 1100 Series ISRs, refer to the Cisco 1100 Terminal Gateway Routers Specifications document.

Periodic Inspection and Cleaning

We recommend that you periodically inspect and clean the external surface of the router is recommended to minimize the negative impact of environmental dust or debris. The frequency of inspection and cleaning is dependent upon the severity of the environmental conditions, but we recommend a minimum once every six months. Cleaning involves vacuuming router air intake and exhaust vents.



Note Sites with ambient temperatures consistently above 25°C or 77°F and with potentially high levels of dust or debris might require periodic preventative maintenance cleaning.