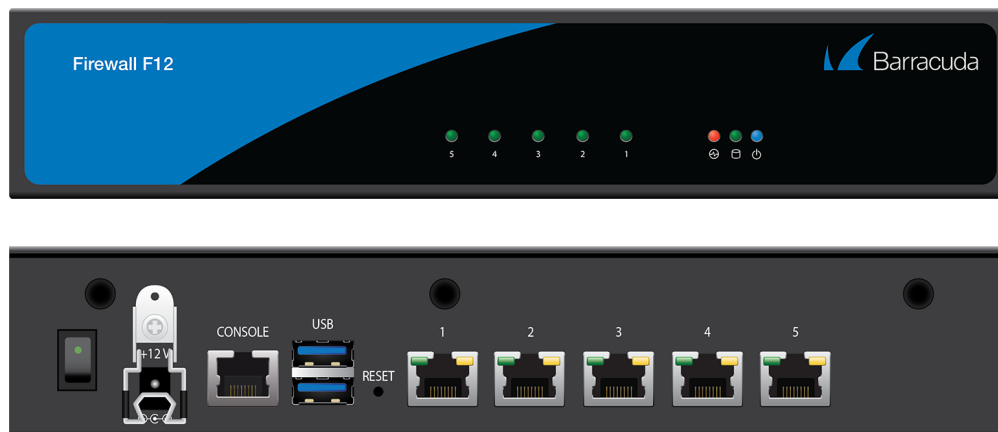


## F12 Revision A

<https://campus.barracuda.com/doc/78152895/>



### Warranty and Safety Instructions

Opening your Barracuda Networks appliance or removing its warranty label unless instructed to do so by Barracuda Networks support will void your warranty and hardware support.

[Barracuda Networks Appliance Safety Instructions](#)

Always use the power supply shipped with the appliance. To prevent damage, connect the DC plug to the appliance before plugging the power adapter into the AC outlet.

### Default Port Configuration

Port Label	OS Notation	Speed/Type	Management Port
1	p1	10/100/1000 MBit RJ45	X
2	p2	10/100/1000 MBit RJ45	
3	p3	10/100/1000 MBit RJ45	
4	p4	10/100/1000 MBit RJ45	
5	p5	10/100/1000 MBit RJ45	

The CloudGen Firewall hardware appliances ship with a [Quick Start Guide](#). Follow this guide to connect to your firewall. To protect your network, follow the instructions for the standard deployment.

## Hardware Specifications

Interface	
RJ45 Ethernet NICs	5x10/100/1000
USB 3.0	2
Serial console	1 [RJ45]
System	
CPU	Intel Apollo Lake
RAM [GB]	2
Mass Storage	
Type	SSD
Size [GB]	80 or better
Size, Weight, Dimensions	
Appliance weight	2,0 kg / 4.4 lbs
Carton weight with appliance	3,5 kg / 7.7 lbs
Appliance size: width x depth x height	<ul style="list-style-type: none"> <li>• 9.1 x 6.0 x 1.7 in</li> <li>• 23,2 x 15.3 x 4.4 cm</li> </ul>
Hardware	
Form Factor	Desktop
Display	-
Cooling	Fanless
Power supply	Single, external
L-shape rack mount brackets	Not included in packaging. Must be ordered separately.
Wall-mount brackets	No
Din-rail mount clip	-
USB	2x USB 3.0
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°C]	0 to +40
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%, non-condensing
Non-operating humidity (non-condensing)	up to 95%
Altitude during operation [m]	up to 2000
MTBF (System)	
MTBF [yrs.]	> 5

Certifications & Compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
FCC Part 15, Subpart B	Yes
ANSI C63.4-2014	Yes
ANSI C63.10-2013	Yes
ICES-003 Issue 6, January 2016 (Update April 2017)	Yes
ICES-003 Issue 5: 2012	Yes
FCC Part 15, Subpart C (15.247)	Yes
FCC Part 15, Subpart E (15.407)	Yes
Power & Efficiency	
Power supply type	Single, external
Power supply input voltage	100 - 240 V, AC
Power supply output voltage	12 V, DC
Power supply voltage	50 Hz - 60 Hz
Power supply watts	45 W
Max. heat dissipation [W]	26.7
Max. heat dissipation [BTU]	90.9
Energy efficiency [average]	> 93%

The hardware specifications list was valid at the time this manual was published. The listed components are subject to change at any time, as Barracuda Networks may change hardware components due to technological advancements. Therefore, the list may not reflect the current hardware configuration of the Barracuda Networks appliance it was delivered with.

## LEDs and Acoustic Signals

Your appliance is equipped with a variety of LEDs and acoustic signals. Barracuda CloudGen Firewall F12 A has on the front side one power LED (blue), one disc LED (green), one status LED (green/red) and 5 port LEDs and on the back side one power button LED and various port LEDs. Two acoustic signals indicate status of installation. The tables below show the different meanings of the different glowing states and acoustic signals:

LED Color	Status	Meaning Installation	Meaning Operation
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All LEDs Off	Off	Appliance is powered off or installation has not initialized far enough for LED control when installation is started.	Appliance is powered off.
Power LED front side - BLUE	Steady	-	Appliance is plugged in and is on.
Status LED front side - GREEN/RED	Off	Installation has not initialized far enough for LED control when installation is started.	-
Status LED front side - GREEN	Steady	After a hotfix installation, the LED turns to green until the next reboot in case the hotfix installation was successful. This feature requires firmware 7.1.3 or higher OR 7.2.2 or higher.	Box is running normally, or installation has finished successfully.
Status LED front side - GREEN	Blinking slowly (1/s interval)	Normal installation.	Appliance is either booting, shutting down, or performing a system update.
Status LED front side - RED	Steady	After a hotfix installation, the LED turns to red until the next reboot in case the hotfix installation failed. This feature requires firmware 7.1.3 or higher OR 7.2.2 or higher.	Appliance is halted and may be disconnected, or an error occurred preventing the appliance from entering the up state.
Disc LED - GREEN	Blinking	Appliance is reading or writing on storage.	Appliance is accessing the internal storage.
Port LEDs - GREEN/YELLOW	Left blinking	Data transfer - Yellow (10/100 Mbps)	Port in use.
	Right steady	-	Port is on.
PSU LEDs - GREEN	Steady	PSU modules connected and running	Power supply unit is up and running.
	Off	Power defective, standby, or shutdown	Power supply unit is off or in standby mode.
Acoustic Signal	Frequency	Meaning	
Beep	1 time (.)	Appliance starts booting.	
Beep	3 times (...)	Installation was completed successfully; appliance is halted for reboot. After reboot, one beep will again indicate booting.	
Beep	3 times long (___)	Error during installation.	

LED and acoustic signals may vary between different appliance models.

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## Serial Console Port

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In order to establish a console connection to the appliance using an RJ45 serial cable, you need to configure the serial port on the terminal using the following parameters:

Parameter	Value
Baud	19200
Bits	8
Stop bit	1
Parity	None
Handshake	None

## Figures

1. F12a.front.png
2. F12.back.png

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