Barracuda NG Firewall F1000 Revision A

https://campus.barracuda.com/doc/42044166/

The Barracuda NG Firewall F1000 is available in three different sub-models. Each model offering a different setup of port modules. The Barracuda NG Firewall F1000 has four different NIC module bays that can be equipped with the following field replaceable Barracuda Network Modules:

- M1001
- M1002
- M1003

F1000 Model CE0 (16x1 GbE RJ45 and 4x10GbE SFP+ Fiber)

F1000 Model CE2 (32x1GbE RJ45 Copper and 8x10GbE SFP+ Fiber)

F1000 Model CFE (16x1GbE RJ45 Copper, 16x1GbE SFP Fiber, and 8x10GbE SFP+ Fiber)

Default Port Configuration

Label	OS Notation	Speed/Type	Management Port
MGMT	MGMT	10/100/1000 MBit RJ45	X
IPMI	n.a.	n.a.	

Hardware Specifications

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

Component	Specifications
CPU	2x Intel® Xeon® Processor (10 cores each)
Memory	128 GB
Mass Storage (SSD)	600 GB SSD
LCD Module	2 x 16 characters
USB	2x USB 2.0
Form Factor	2U rack mount
Dimensions (W/D/H)	430 x 626 x 88 mm 16.9 x 24.6 x 3.4 in
Weight appliance	20 kg / 44 lbs
Power Supply	Dual, internal
Power Supply Input Voltage	100 - 240 V, AC
Power Supply Voltage	47 Hz - 63 Hz
Power Supply Watts	810W redundant
Storage Temperature	-20 °C - +95 °C
Operation Temperature	0 °C - 40 °C
Operating humidity	5% - 95%, non-condensing
Certifications	CE, FCC, ROHS

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 progress. Therefore, the list may not reflect the current

hardware configuration of the Barracuda Networks NG Firewall or NG Control Center appliance it was delivered with.

Status LEDs and Acoustic Signals

Your appliance is equipped with a variety of LEDs. One of them is the Status LED. It is either labeled with a heart symbol or the term Status. It indicates the appliance's operational state by changing colors between green, orange and red and by changing between blinking and steady glowing. The table below shows the different meanings of the different glowing states.

Color	Glowing State	Meaning installation	Meaning Normal Operation or [Active Recovery Technology](#) Operation
Off	Off	Appliance is powered off or installation has not initialized far enough for LED control when installation is started.	Appliance is powered off.
Green	Blinking	Normal installation.	Appliance is either booting, shutting down or performing a system update.
Green	Steady	Installation was completed successfully, appliance is halted for reboot or installation was not yet initialized far enough for LED control.	Barracuda NG Firewall is up and running.
Red	Blinking	Error during installation.	An error has appeared preventing Barracuda NG Firewall from entering the up state. If no orange light available: appliance is in [ART](#) mode.
Red	Steady	-	Appliance is halted and may be disconnected.
Orange	Blinking	-	-
Orange	Steady	-	Appliance is in [ART](#) mode.

Acoustic Signal	Frequency	Meaning Installation
Beep	1 time	Unit starts booting
Beep	3 times	Installation is completed successfully and appliance is halted for reboot. After reboot, one beep indicates booting.

Not all appliances support orange and/or red LED colors. Depending on the appliance type, the status LED might be on by default and it might take some time during boot and installation to start either blinking or changing the color. Furthermore, the status LED might blink at different

> frequencies.

Serial Console Port

In order to establish a console connection to the appliance using a 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

LC Display

Navigating

This security appliance features a key pad with four keys and an LCD panel on the left side of the front panel. These may be used to obtain certain information and to perform certain commands directly on the appliance.

Key	Command
Left	Navigates back or acts like an Escape key while working in the LCD menu.
Up	Navigates up or increases a value.
Down	Navigates down or decreases a value.
Right	Navigates forth or acts like an Enter key for confirming a configuration step.

LCD Display Menu

You may use the LCD display and the keypad to access certain appliance features. Use the up and down keys to navigate through the items of the main menu.

The LCD menu features the following items from top to bottom:

Menu	Meaning

Appliance type, OS version and release number	This is the default display.
IP address and subnet mask	Shows the configured IP address and subnet mask of the appliance.
Time and date	Shows time and date currently configured on the appliance.
Uptime of Barracuda OS	The uptime in days, hours and minutes.
Serial number of the appliance	Unique identifier for the appliance.
Shutdown menu	Enables you to shut down the appliance.
Reboot menu	Enables you to reboot the appliance.
Menu to change the management IP address	Configure the IP address for the management port.
Menu to boot into ART during the next reboot	Enables you to set a flag that will cause the appliance to boot into ART the next time it is rebooted. Once set, this flag can not be deleted through the menu. When rebooted, the appliance will not start Barracuda OS, but ART instead. You may connect to the appliance by using the serial console or by SSH. A Control Center managed box running in ART mode cannot be managed through the CC, although it will build a connection to the CC signalling its presence.

Figures

1. F1000.CE0.png
2. F1000.CE2.png
3. F1000.CFE.png