Barracuda CloudGen Firewall

F900 Revision A

https://campus.barracuda.com/doc/71862290/
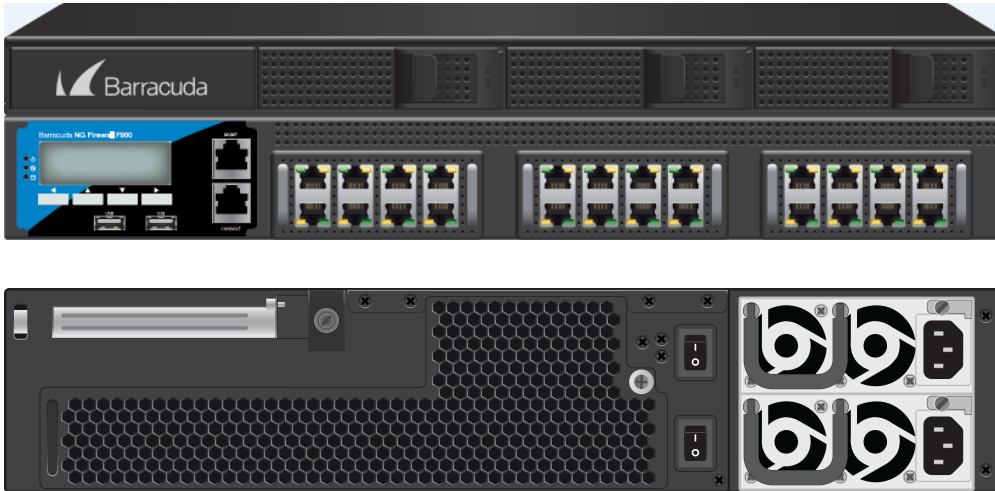
Barracuda NextGen Firewall F-Series F900 model CCC (24x1 GbE copper network ports)

Barracuda NextGen Firewall F-Series F900 model CCE (16x1 GbE copper + 4x1 GbE SFP (fibre) network ports)

Barracuda NextGen Firewall F-Series F900 model CFE (8x1 GbE + 8x1 GbE SFP (fibre) + 4x10 GbE SFP+ (fibre) network ports)

Supported Barracuda Network Module Combinations

- M801
- M804
- M805

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.

Default Port Configuration

Label	OS Notation	Speed/Type	Management Port
MGMT	MGMT	10/100/1000 MBit RJ45	X

Hardware Specifications

Interface	
Model CCC	• 24x 1 GbE Copper
Model CCE	• 16x 1 GbE Copper • 4x 10 GbE SFP+
Model CFE	• 8x 1 GbE Copper • 8x 1 GbE SFP • 4x 10 GbE SFP+
USB 2.0	2
Serial / console	1 [RJ45]
Memory	
RAM [GB]	24
Mass Storage	
Type	SSD
Size [GB]	• 80 (system) • 300 (log, cache)
Size, Weight, Dimensions	
Net weight [kg]	18
Weight carton with appliance [kg]	22
Appliance size: width x depth x height [mm]	442 x 660 x 88
Carton size: width x depth x height [mm]	590 x 870 x 290

Form factor	2U Rack Mount
Hardware	
Display	Yes
Cooling	Fans
Power supply	Dual hot swap, internal
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°C]	0 to +40
Storage temperature [°C]	-20 to +60
Operating humidity (non-condensing)	5% to 95%
Certifications & Compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Power & Efficiency	
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	500
Max. power draw (@ 230V) [A]	2.6
Max. heat dissipation [W]	300
Max. heat dissipation [BTU]	1024
Energy efficiency [average]	> 80%

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 NextGen Firewall F-Series or NextGen 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 labeled either 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 (ART) 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.	Appliance is up and running.
Red	Blinking	Error during installation.	An error has occurred, preventing the appliance 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 (Revision A: DB9,

Revision B: RJ45), 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

LCD 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.

Keyboard Button	Command
Left arrow	Navigates back or acts like an Escape key while working in the LCD menu.
Up arrow	Navigates up or increases a value.
Down arrow	Navigates down or decreases a value.
Right arrow	Navigates forwards 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 cannot 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 managed F-Series Firewall running in ART mode cannot be managed through the Control Center, although it will connect to the Control Center to signal its presence.

Rack Mounting

For information on how to mount your appliance, see Rack Installation for Barracuda NextGen Firewall F-Series F800 and F900.

Figures

1. F900-CCC.png
2. F900.back.png
3. F900-CCE.png
4. F900-CFE.png