

Barracuda NG Firewall F400 Revision A

<https://campus.barracuda.com/doc/41116458/>

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](#)

The standard model of Barracuda's NG Firewall F400 comes with eight 10/100/1000 MBit RJ45 Ethernet ports and a single power supply. Other F400 model types provide different port combinations and a dual power supply.

Standard Model Port Configuration

Label	OS Notation	Speed/Type	Management Port
1	port1	10/100 MBit RJ45	X
2	port2	10/100/1000 MBit RJ45	
3	port3	10/100/1000 MBit RJ45	
4	port4	10/100/1000 MBit RJ45	
5	port5	10/100/1000 MBit RJ45	
6	port6	10/100/1000 MBit RJ45	
7	port7	10/100/1000 MBit RJ45	
8	port8	10/100/1000 MBit RJ45	

Model F20 Port Configuration

Label	OS Notation	Speed/Type	Management Port
1	port1	10/100 MBit RJ45	X
2	port2	10/100/1000 MBit RJ45	
3	port3	10/100/1000 MBit RJ45	
4	port4	10/100/1000 MBit RJ45	
5	port5	10/100/1000 MBit RJ45	
6	port6	10/100/1000 MBit RJ45	
7	port7	10/100/1000 MBit RJ45	
8	port8	10/100/1000 MBit RJ45	
9	port19	1 GbE Fibre SFP	

10	port10	1 GbE Fibre SFP	
11	port11	1 GbE Fibre SFP	
12	port12	1 GbE Fibre SFP	

Hardware Specifications

Component	Specifications
CPU	Intel Dual Core
Memory	2 GB
Mass Storage	1 x 500 GB HDD
Flash Disk	128 MB
LCD Module	2 x 20 characters
USB	2x USB 2.0
Form Factor	1U rack mount
Dimensions (W/D/H)	42,6 x 39,6 x 4,4 cm 16.8 x 16.6 x 1.7 in
Net Weight	5.4 kg / 12 lbs
Power Supply	Single, internal
Power Supply Input Voltage	100 - 240 V, AC
Power Supply Voltage	47 Hz - 63 Hz
Power Supply Watts	220 W
Storage Temperature	-20 °C - +70 °C
Operation Temperature	0 °C - 40 °C
Relative Humidity	5% - 95%, non-condensing
Certifications	CE, FCC, ROHS
WiFi (F301 only)	802.11 b/g or better extended range WiFi adapter

The hardware configuration list in Table 1 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 LED

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.

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 (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

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
<i>Left or Escape</i>	Navigates back or acts like an Escape key while working in the LCD menu.
<i>Up</i>	Navigates up or increases a value.
<i>Down</i>	Navigates down or decreases a value.
<i>Right or Enter</i>	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 signaling its presence.

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