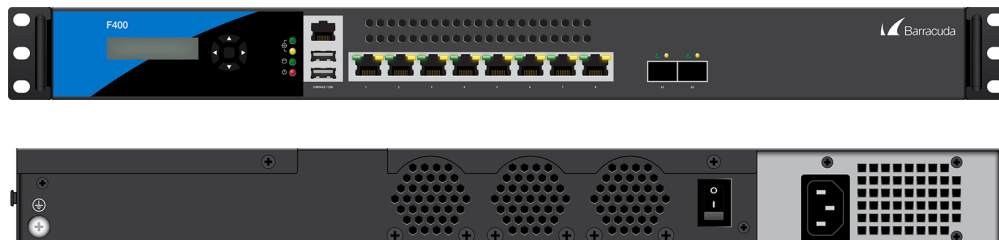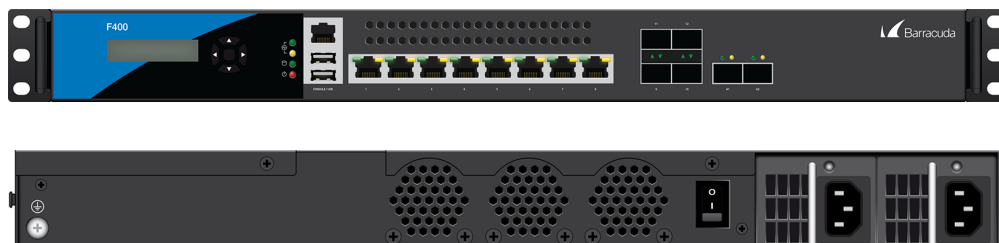# F400 Revision C

https://campus.barracuda.com/doc/92766582/

F400 Rev. C Standard Model

F400 Rev. C Sub-Model .F20

The standard model of Barracuda Networks' CloudGen Firewall F400 (Rev. C) comes with eight 10/100/1000 MBit RJ45, two 10Gbit SFP+ Ethernet ports, and a single power supply. Other F400 C model types (.F20) provide different port combinations and a dual power supply.

F400 C Standard Model 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	
6	p6	10/100/1000 MBit RJ45	
7	p7	10/100/1000 MBit RJ45	
8	p8	10/100/1000 MBit RJ45	
A1	a1	10 GbE Optical Fiber SFP+	
A2	a2	10 GbE Optical Fiber SFP+	

F400 C Sub-Model .F20 Port Configuration

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	
6	p6	10/100/1000 MBit RJ45	
7	p7	10/100/1000 MBit RJ45	
8	p8	10/100/1000 MBit RJ45	
9	p9	1 GbE Optical Fiber SFP	
10	p10	1 GbE Optical Fiber SFP	
11	p11	1 GbE Optical Fiber SFP	
12	p12	1 GbE Optical Fiber SFP	
A1	a1	10 GbE Optical Fiber SFP+	
A2	a2	10 GbE Optical Fiber SFP+	

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

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

Interface	
Standard Model	• 8x 1 GbE • 2x 10 GbE SFP+
Model F20	• 8x 1 GbE Copper • 4x 1 GbE SFP • 2x 10 GbE SFP+
USB 2.0	2

Serial console	1 [RJ45]
System	
CPU	Intel Pentium Gold Series, 4 cores
RAM [GB]	8
Mass Storage	
Type	SSD
Size [GB]	180 GB or higher
Size, Weight, Dimensions	
Appliance weight [kg] (F400 / F400.F20)	8.4 / 9.3
Carton weight with appliance [kg] (F400 / F400.F20)	9.4 / 10.2
Appliance size: width x depth x height [mm]	440 x 440 x 44
Carton size: width x depth x height [mm]	755 x 555 x 203
Form factor	1U Rack Mount
Hardware	
Display	Yes
Cooling	Fan
Power supply (F400 / F400.F20)	Single, internal / Dual hot swap, internal
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 85%
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] (F400 / F400.F20)	250 / 300
Max. power draw (@ 230V) [A] (F400 / F400.F20)	7 / 7.5
Max. heat dissipation [W] (F400 / F400.F20)	29 / 31

Max. heat dissipation [BTU] (F400 / F400.F20)	98 / 106
Energy efficiency [average]	> 85%

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. The tables below show the different meanings of the different glowing states and acoustic signals:

LED Color	Status	Meaning Installation	Meaning Operation
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 - GREEN	Steady	Installation was completed successfully, appliance is halted for reboot or installation was not yet initialized far enough for LED control.	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	Installation was completed successfully, appliance is halted for reboot.	Appliance is up and running.
Status LED front side - GREEN	Blinking	Normal installation.	Appliance is either booting, shutting down, or performing a system update.
Status LED front side - RED	Steady	-	Appliance is halted and may be disconnected.
Status LED front side - RED	Blinking	Error during installation.	An error has appeared preventing the appliance from entering the up state.
Status LED front side - RED/GREEN	Steady	-	Appliance is in ART mode.

Disc LED front side - YELLOW	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 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 yellow 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.

Keyboard Button	Command
Left arrow or Escape key	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 or Enter	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:

LCD 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.

Rack Mounting

For information on how to mount your appliance, see Rack Installation for Barracuda CloudGen Firewall and Barracuda CloudGen WAN.

Figures

1. F400C-Front.png
2. F400C-Rear.png
3. F400C-F20-Front.png
4. F400C-F20-Rear.png