

Barracuda NG Firewall F300 / F301 Revision B

<https://campus.barracuda.com/doc/41116453/>



Default Port Configuration

| Label | OS Notation | Speed/Type | Management Port |
|-------|-------------|-----------------------|-----------------|
| PORT1 | port1 | 10/100/1000 MBit RJ45 | X |
| PORT2 | port2 | 10/100/1000 MBit RJ45 | |
| PORT3 | port3 | 10/100/1000 MBit RJ45 | |
| PORT4 | port4 | 10/100/1000 MBit RJ45 | |
| - | port5 | 10/100 MBit RJ45 | |
| - | port6 | 10/100 MBit RJ45 | |
| - | port7 | 10/100 MBit RJ45 | |
| - | port8 | 10/100 MBit RJ45 | |

On Revision A models, NIC ports 5 to 8 are located behind the access cover on the empty right side of the appliance's front panel.

Hardware Specifications

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](#)

| Component | Specifications |
|--------------|----------------|
| CPU | VIA 1.5 GHz |
| Memory | 2 GB |
| Mass Storage | 80 GB SSD |

| | |
|-----------------------------|---|
| Flash Disk | 128 MB |
| LCD Module | 2 x 20 characters |
| USB | 2x USB 2.0 |
| Form Factor | 1U rack mount |
| Dimensions (W/D/H) | 430 x 330 x 44 mm 16.9 x 13 x 1.8 in |
| Weight appliance | 4.5 kg / 9.9 lbs |
| Power Supply | Single, internal |
| Power Supply Input Voltage | 100 - 240 V, AC |
| Power Supply Output Voltage | 12 V, DC |
| Power Supply Voltage | 47 Hz - 63 Hz |
| Power Supply Watts | 100 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/n up to 150 Mbps single antenna extended range |

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 (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 |

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. |

| | |
|---|---|
| <p>Menu to boot into ART during the next reboot</p> | <p>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.</p> |
|---|---|

Figures

1. F300_2014.png

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