

Barracuda Backup Panel Indicators, Ports, and Connectors

<https://campus.barracuda.com/doc/28966994/>

The illustrations in this article are based on current hardware models, however, models differ based on release date and may change in the future. If your appliance connections differ from those shown in this article, refer to the [Barracuda Backup Datasheet](#) on the Barracuda website, or contact [Barracuda Networks Technical Support](#) for additional information.

Note: The Barracuda Encrypted Backup appliances are no longer available. Encryption of data at rest has been added as a standard feature to all Barracuda Backup appliances (Models 190-1090). For more information, see [Data Encryption on Barracuda Backup Appliances](#).

Customers with a Barracuda Encrypted Backup appliance (Models 6090, 8090, 9090, 10090) will continue to be supported. If the Barracuda Encrypted Backup appliance fails, and you have an active Instant Replacement subscription, your replacement appliance will be equivalent to your current model and capacity.

Barracuda Backup Models 190, 290, 390, 490, and 690, and Barracuda Encrypted Backup Model 6090

Figure 1. Models 290, 390, 490, and 690, and Model 6090 Power and Disk Activity Indicator Lights. (See Figure 1a for Model 190.)

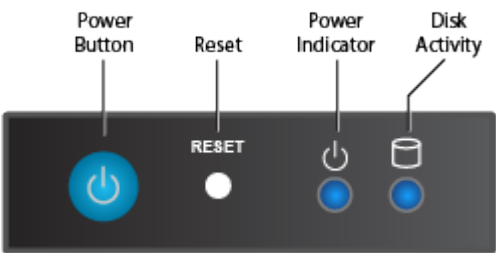


Table 1. Models 290, 390, 490, and 690, and Model 6090 Front Panel Power and Disk Activity Indicator Lights (See Table 1a for Model 190.)

Component Name	Description
Power Button	Push to power on the Barracuda Backup appliance, and tap to safely reboot the appliance.
Reset Button	Push for 5 seconds to reset the Barracuda Backup appliance.

Power Light	Displays a solid blue light when the system is powered on.
Disk Light	Displays a solid green light and blinks during disk activity.

Figure 1a. Model 190 Power and Disk Activity Indicator Lights

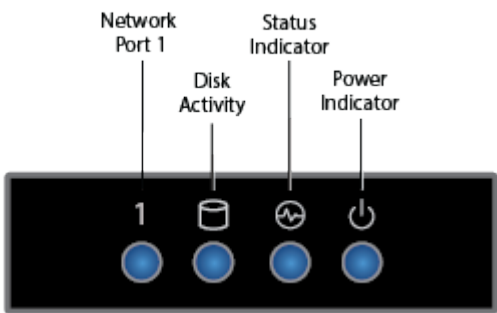


Table 1a. Model 190 Front Panel Power and Disk Activity Indicator Lights

Component Name	Description
1	Displays a solid green light when the network port 1 is connected.
Disk Light	Displays a solid green light and blinks during disk activity.
Status Light	Displays status and blinks during activity such as backing up, etc.
Power Light	Displays a solid blue light when the system is powered on.

Figure 2. Model 190 Rear Panel Ports and Connectors

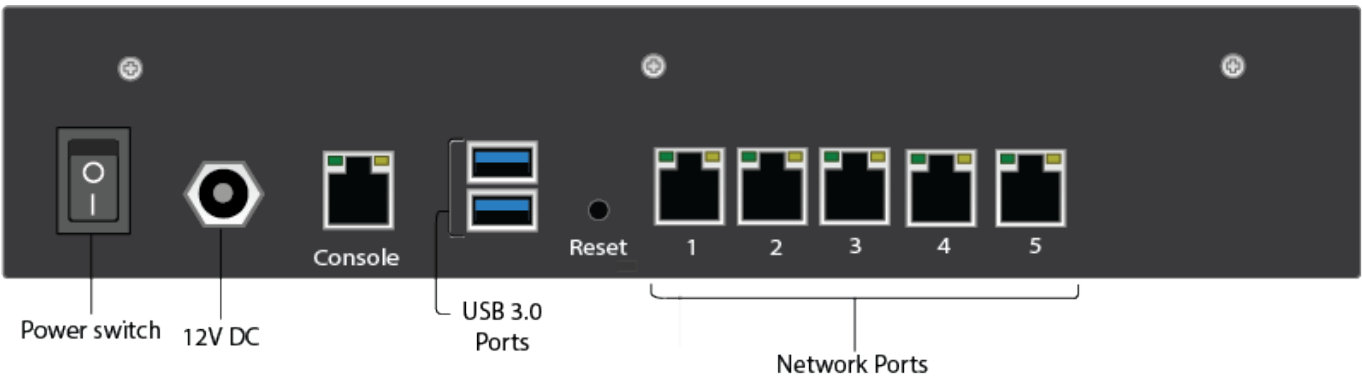


Table 2. Model 190 Rear Panel Rear Panel Port and Connector Description

Port/Connector Name	Details
Power Switch	Power switch.
Power Supply	12V DC.
Console	Console connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Reset	Push for 5 seconds to reset the Barracuda Backup appliance.
Network Ports (5)	Network connection.

Figure 3. Model 290 Rear Panel Ports and Connectors

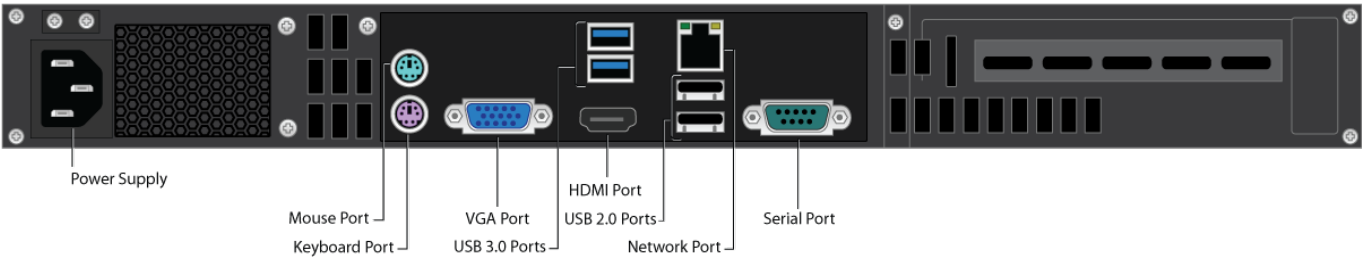
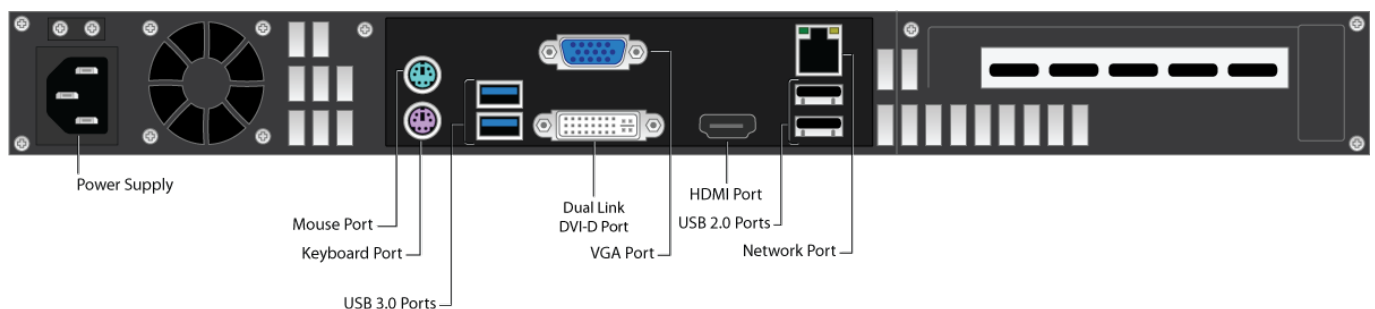


Table 3. Model 290 Rear Panel Rear Panel Port and Connector Description

Port/Connector Name	Details
Power Supply	Power supply input.
Mouse Port	<i>Optional.</i> Mouse port.
Keyboard Port	<i>Optional.</i> PS2 keyboard connection.
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.

USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
HDMI Port	<i>Optional.</i> HDMI video connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Port	Network connection.
Serial Port	<i>Optional.</i> Serial device connection.

Figure 4. Model 390 Rear Panel Ports and Connectors

Table 4. Model 390 Rear Panel Rear Panel Port and Connector Description

Port/Connector Name	Details
Power Supply ⁽¹⁾	Power supply input.
Mouse Port	<i>Optional.</i> Mouse port.
Keyboard Port	<i>Optional.</i> PS2 keyboard connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Dual Link DVI-D Port	<i>Optional.</i> Digital monitor connection.
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
HDMI Port	<i>Optional.</i> HDMI video connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Port	Network port.

Note: ⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

Figure 5. Model 490 Rear Panel Ports and Connectors

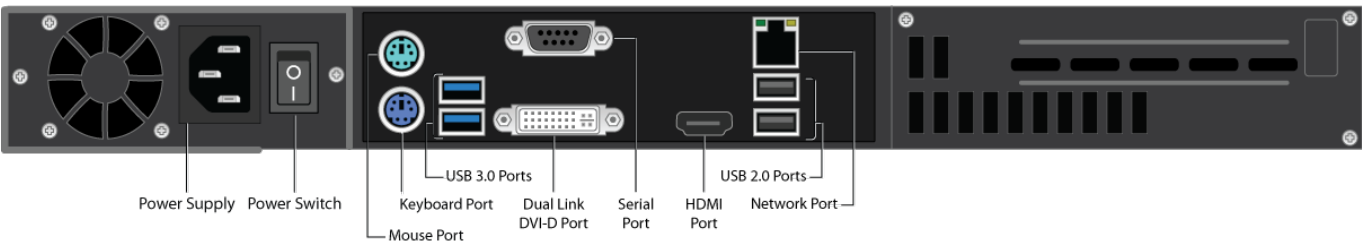


Table 5. Model 490 Rear Panel Rear Panel Port and Connector Description

Port/Connector Name	Details
Power Supply	Power supply input. ⁽¹⁾
Power Switch	Power switch.
Mouse Port	<i>Optional.</i> Mouse port.
Keyboard Port	<i>Optional.</i> PS2 keyboard connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Serial Port	<i>Optional.</i> Serial device connection.
Dual Link DVI-D Port	<i>Optional.</i> Digital monitor connection.
HDMI Port	<i>Optional.</i> HDMI video connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Port	Network port.
Note: ⁽¹⁾ The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.	

Figure 6. Model 690 and Model 6090 Rear Panel Ports and Connectors

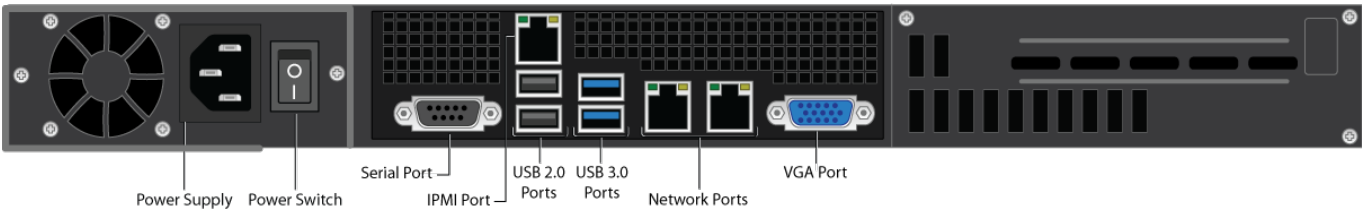


Table 6. Model 690 and Model 6090 Rear Panel Port and Connector Description

Port/Connector Name	Details
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Power Supply	Power supply input. ⁽¹⁾
Power Switch	Power switch.
Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	Intelligent Platform Management Interface (IPMI) port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽²⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
1 Gigabit Ethernet Card (Model 6090)	Network port.
10 Gigabit Ethernet Card (Model 690)	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
<p>Notes:</p> <p>⁽¹⁾ The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.</p> <p>⁽²⁾ Models 690/6090 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support.</p>	

Barracuda Backup Models 790 through 995, and Barracuda Encrypted Backup Models 8090 and 9090

Figure 7. Models 790 through 995, and Models 8090 and 9090 Power and Disk Activity Indicator Lights

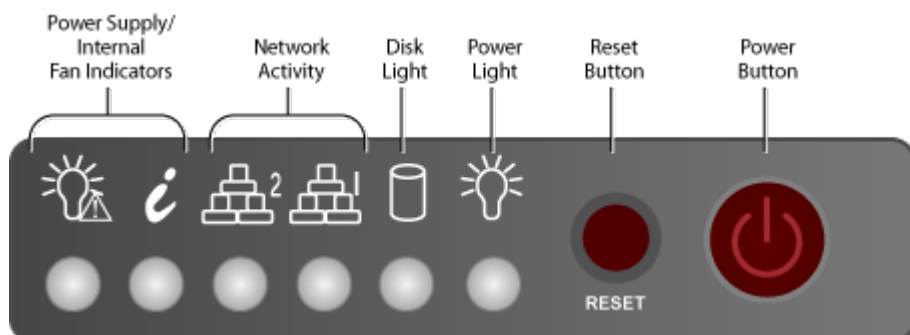
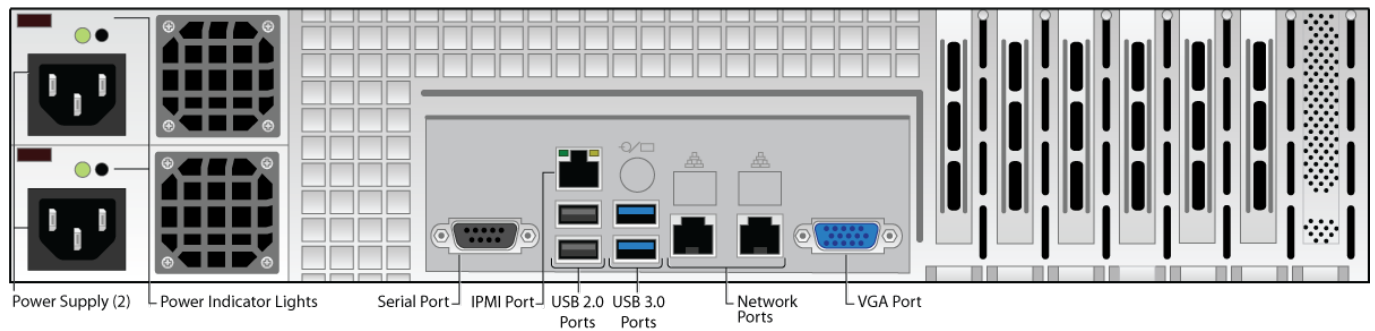


Table 7. Model 790 through 995, and Models 8090 and 9090 Rear Panel Port and Connector Description

Component Name	Description
Power Supply/Internal Fan	Power supply and internal fan issue indicators: <ul style="list-style-type: none"> • Continuously on and red – An overheat condition has occurred; this may be caused by cable congestion. • Blinking red (1Hz) – Fan failure, check for an inoperative fan. • Blinking red (0.25Hz) – Power failure; check for non-operational power supply. • Solid blue – Local UID has been activated; use this function to locate the server in a rack-mount environment. • Blinking blue (300 mSEC) – Remote UID is on; initiate this function from a remote location to identify the appliance.
Network Activity (2)	Blinks green to indicate network activity.
Disk Light	Displays a solid orange light and blinks during disk activity.
Power Light	Displays a solid green light when the system is powered on.
Reset Button	Push for 5 seconds to reset the Barracuda Backup appliance.
Power Button	Push to power on the Barracuda Backup appliance, and tap to safely reboot the appliance.

Figure 8. Models 790 and 890 Rear Panel Ports and Connectors

**Table 8. Models 790 and 890 Rear Panel Port and Connector Description**

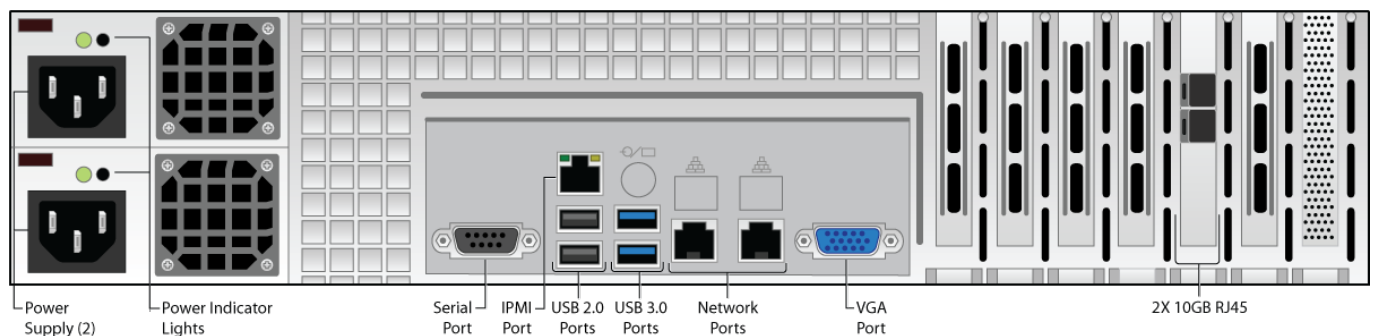
Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit: <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.

Notes:

⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset**; if this does not resolve the issue you may need to replace a PSU.

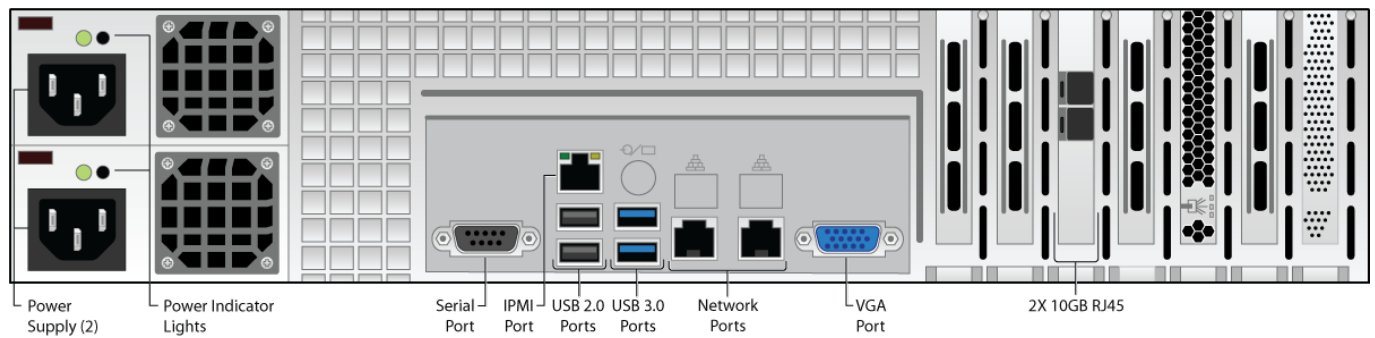
⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Figure 9. Models 791 and 891 Rear Panel Ports and Connectors**Table 9. Models 791 and 891 Rear Panel Port and Connector Description**

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network .
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾

VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
10 Gigabit Fiber Card	<p><i>Optional</i> . Use a small form-factor pluggable (SFP) transceiver module:</p> <ul style="list-style-type: none"> • SFP – Use SFP for 1/4 Gigabit/second throughput; you will need a multi-mode cable with LC connections or a direct attach cable. • SFP+ – Use SFP+ for 10 Gigabit/second throughput (included); you will need a multi-mode cable with LC connections or a direct attach cable. • Vendor-Specific SFP – If you are using a vendor-specific module in your environment, simply remove the Barracuda provided SFP and replace with other vendor. <p>By default the top port is active.</p> <p>If you want to bond the two ports for 20 gigabit throughput with failover capabilities, Contact Barracuda Networks Technical Support.</p>
<p>Notes:</p> <p>⁽¹⁾ The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.</p> <p>⁽²⁾ The power supply may be degraded when, for example, one of the PSUs is not functioning. Push Reset; if this does not resolve the issue you may need to replace a PSU.</p> <p>⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support.</p> <p>Contact Barracuda Networks Technical Support for additional troubleshooting.</p>	

Figure 10. Model 8090 Rear Panel Ports and Connectors

**Table 10. Model 8090 Rear Panel Port and Connector Description**

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit: <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.

Notes:

⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset**; if this does not resolve the issue you may need to replace a PSU.

⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Barracuda Backup Models 895, 990, and 995

Figure 11. Models 895A, 990, and 995A Rear Panel Ports and Connectors

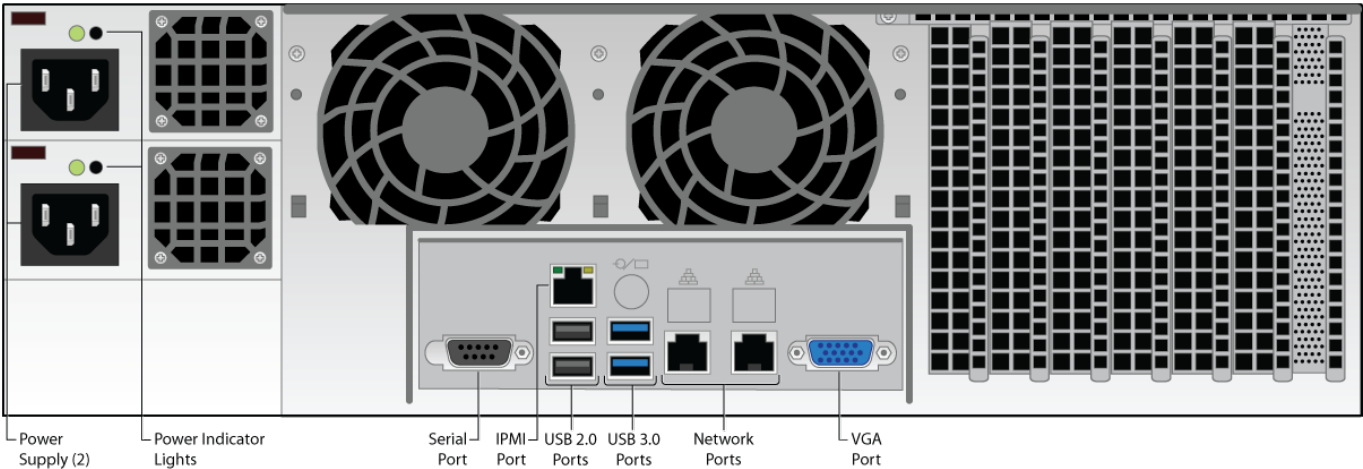


Table 11. Models 895A, 990, and 995A Rear Panel Port and Connector Description

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none">• Solid green light - System is powered on and the power supply is healthy• Solid orange/amber light - Power supply is degraded⁽²⁾• No light - System is not powered on or a power supply unit (PSU) has failed

Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none"> • 1 Gigabit Connection - Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection - Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.

Notes:

⁽¹⁾ The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾ The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset**; if this does not resolve the issue you may need to replace a PSU.

⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Figure 12. Models 895B, 991, and 995B Rear Panel Ports and Connectors

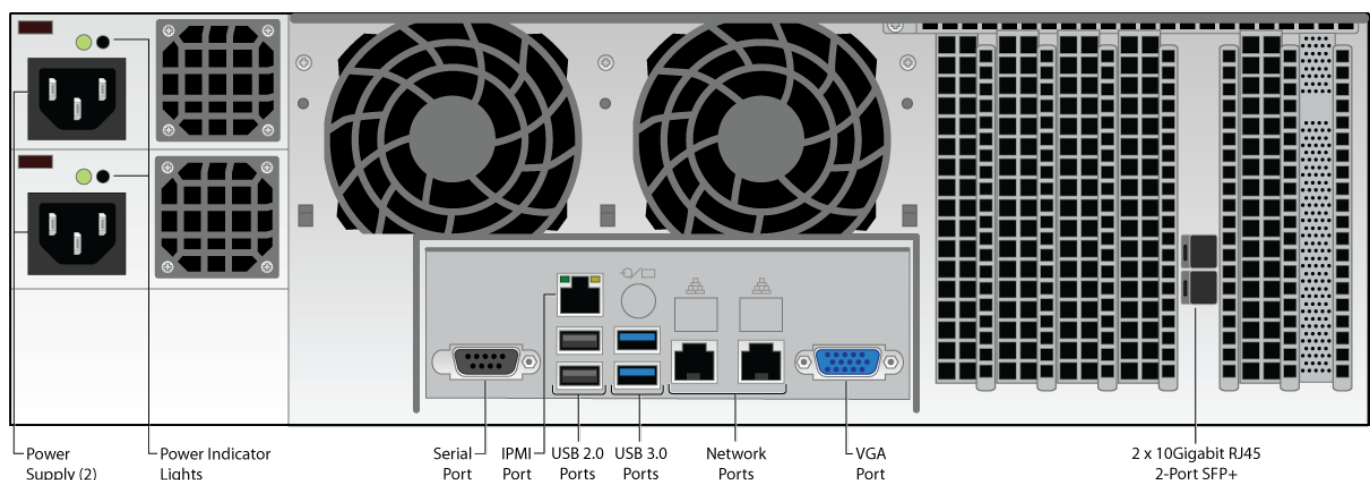


Table 12. Models 895B, 991, and 995B Rear Panel Port and Connector Description

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit: <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
10 Gigabit Fiber Card	<i>Optional .</i> Use a small form-factor pluggable (SFP) transceiver module: <ul style="list-style-type: none"> • SFP – Use SFP for 1/4 Gigabit/second throughput; you will need a multi-mode cable with LC connections or a direct attach cable. • SFP+ – Use SFP+ for 10 Gigabit/second throughput (included); you will need a multi-mode cable with LC connections or a direct attach cable. • Vendor-Specific SFP – If you are using a vendor-specific module in your environment, simply remove the Barracuda provided SFP and replace with other vendor. By default the top port is active. If you want to bond the two ports for 20 gigabit throughput with failover capabilities, Contact Barracuda Networks Technical Support .

Notes:

⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset**; if this does not resolve the issue you may need to replace a PSU.

⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Barracuda Encrypted Backup Model 9090

Figure 13. Model 9090 Rear Panel Ports and Connectors

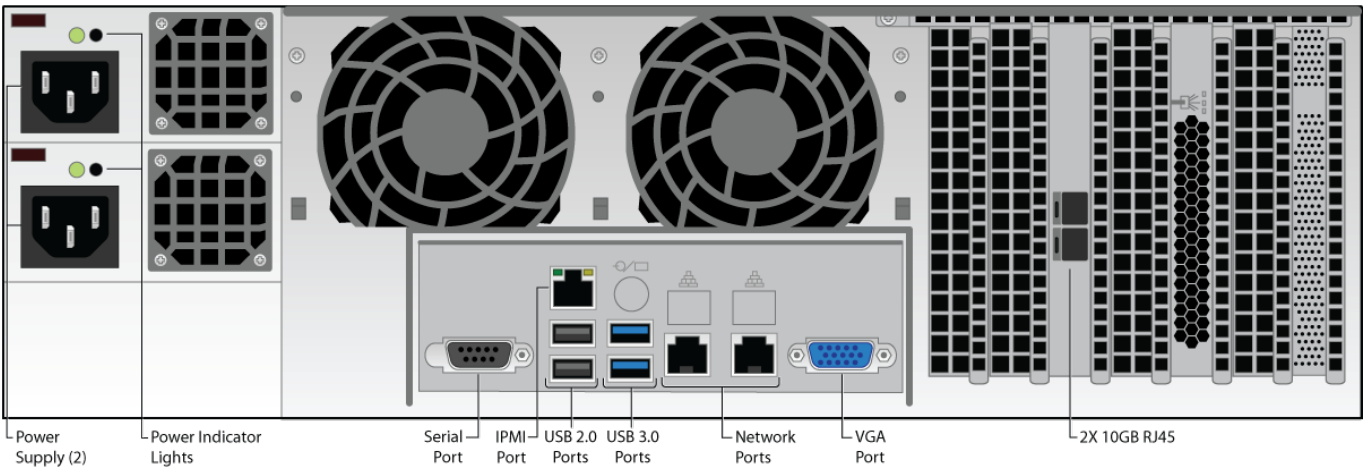


Table 13. Model 9090 Rear Panel Port and Connector Description

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none">• Solid green light – System is powered on and the power supply is healthy• Solid orange/amber light – Power supply is degraded⁽²⁾• No light – System is not powered on or a power supply unit (PSU) has failed

Serial Port	<i>Optional.</i> Serial device connection.
IPMI Port	IPMI port for device management over the network.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.

Notes:

⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset**; if this does not resolve the issue you may need to replace a PSU.

⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Barracuda Backup Models 1090, 1091, 1191, and Barracuda Encrypted Backup Model 10090

Figure 14. Models 1090, 1091, 1191, and Model 10090 Front Panel Power and Disk Activity Indicator Lights

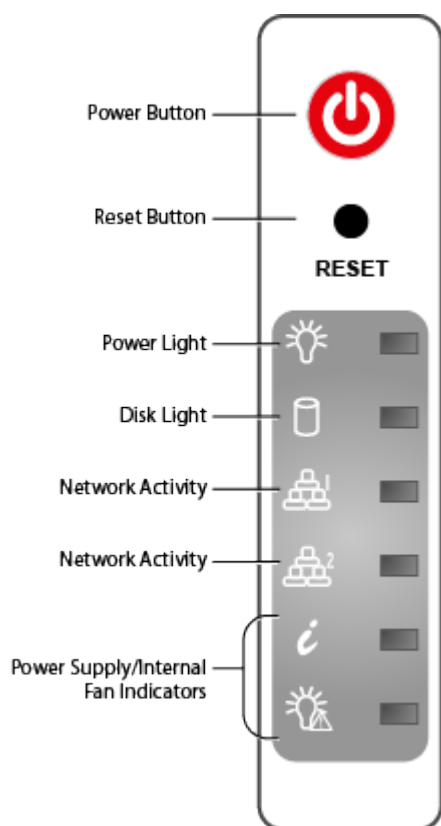
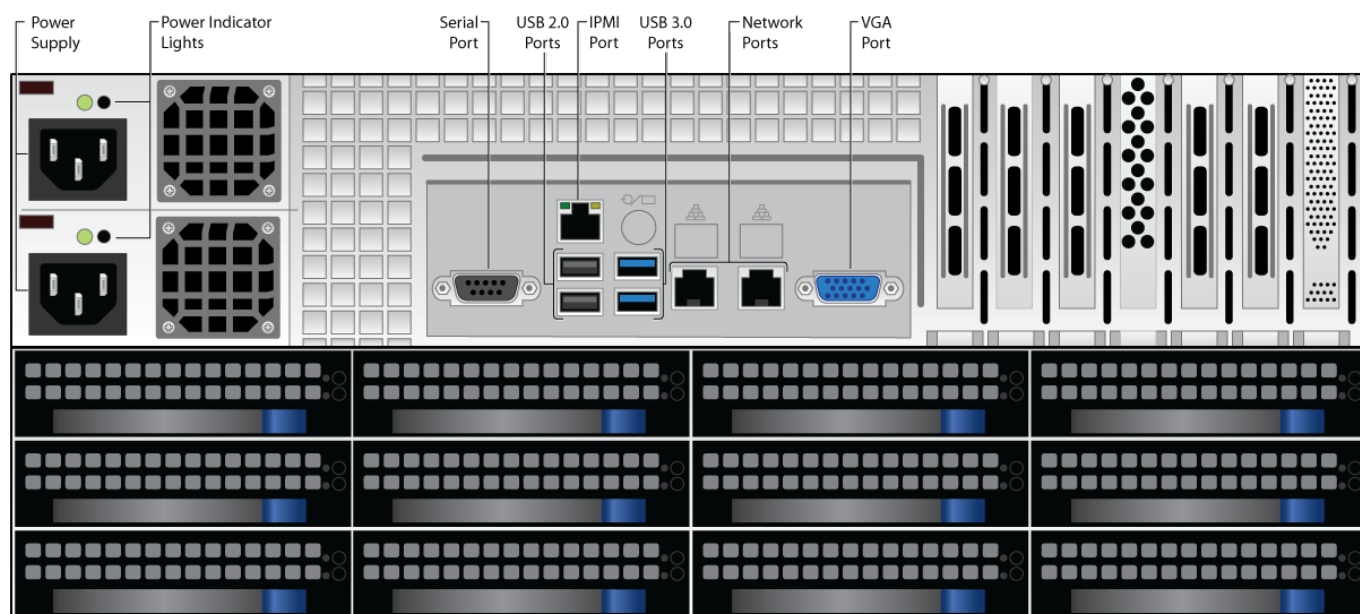


Table 14. Models 1090, 1091, 1191, and Model 10090 Front Panel Power and Disk Activity Indicator Lights

Component Name	Description
Power Button	Push to power on the Barracuda Backup appliance, and tap to safely reboot the appliance.
Reset Button	Push for 5 seconds to reset the Barracuda Backup appliance.
Power Light	Displays a solid green light when the system is powered on.
Disk Light	Displays a solid orange light and blinks during disk activity.
Network Activity (2)	Blinks green to indicate network activity.
Power Supply/Internal Fan Indicators	<p>Power supply and internal fan issue indicators:</p> <ul style="list-style-type: none"> • Continuously on and red – An overheat condition has occurred; this may be caused by cable congestion. • Blinking red (1Hz) – Fan failure, check for an inoperative fan. • Blinking red (0.25Hz) – Power failure; check for non-operational power supply. • Solid blue – Local UID has been activated; use this function to locate the server in a rack-mount environment. • Blinking blue (300 mSEC) – Remote UID is on; initiate this function from a remote location to identify the appliance.

Figure 15. Model 1090 Rear Panel Ports and Connectors**Table 15. Model 1090 Rear Panel Port and Connector Description**

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
IPMI Port	IPMI port for device management over the network.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.

10 Gigabit Ethernet Card	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none">• 1 Gigabit Connection - Plug in a CAT5e cable for 1 Gigabit throughput.• 10 Gigabit Connection - Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
<p>Notes:</p> <p>⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.</p> <p>⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push Reset; if this does not resolve the issue you may need to replace a PSU.</p> <p>⁽³⁾Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support.</p> <p>Contact Barracuda Networks Technical Support for additional troubleshooting.</p>	

Figure 16. Model 1091 and 1191 Rear Panel Ports and Connectors.

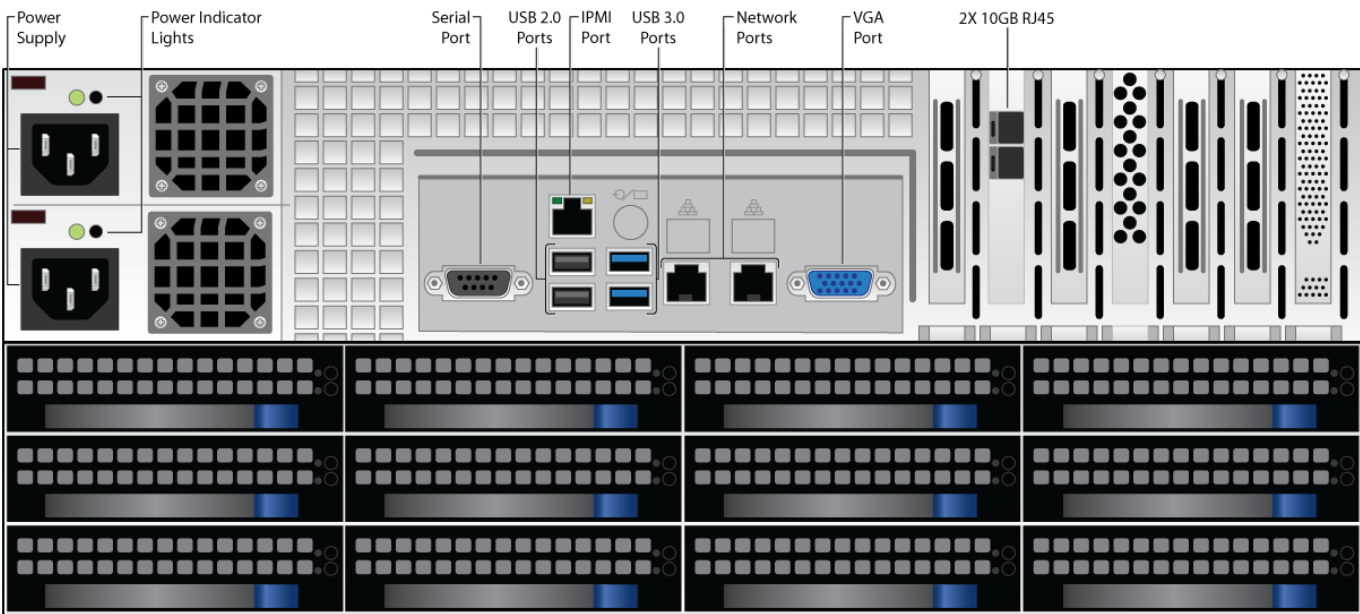


Table 16. Model 1091 and 1191 Rear Panel Port and Connector Description

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾

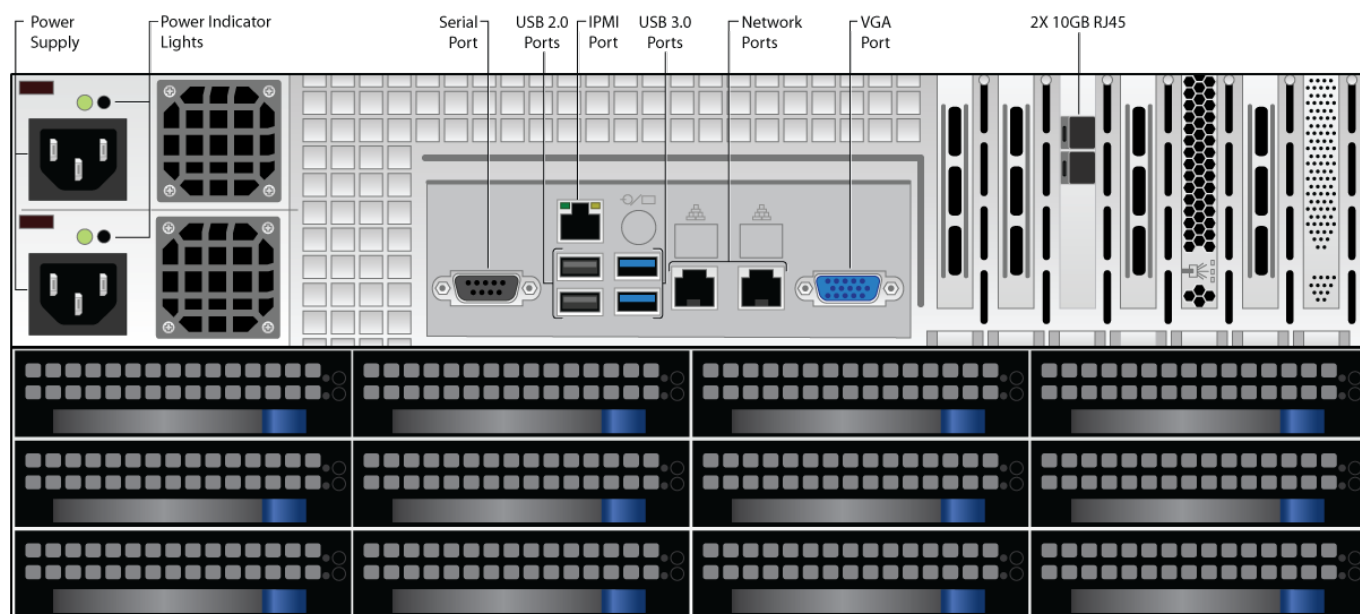
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
IPMI Port	IPMI port for device management over the network.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.
10 Gigabit Ethernet Card	If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit: <ul style="list-style-type: none"> • 1 Gigabit Connection – Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection – Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
10 Gigabit Fiber Card	Use a small form-factor pluggable (SFP) transceiver module: <ul style="list-style-type: none"> • SFP – Use SFP for 1/4 Gigabit/second throughput; you will need a multi-mode cable with LC connections or a direct attach cable. • SFP+ – Use SFP+ for 10 Gigabit/second throughput (included); you will need a multi-mode cable with LC connections or a direct attach cable. • Vendor-Specific SFP – If you are using a vendor-specific module in your environment, simply remove the Barracuda provided SFP and replace with other vendor. By default the top port is active. If you want to bond the two ports for 20 gigabit throughput with failover capabilities, Contact Barracuda Networks Technical Support .

Notes:

⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.

⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push **Reset** ; if this does not resolve the issue you may need to replace a PSU.

⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support.
 Contact [Barracuda Networks Technical Support](#) for additional troubleshooting.

Figure 17. Model 10090 Rear Panel Ports and Connectors.**Table 17. Model 10090 Rear Panel Port and Connector Description**

Port/Connector Name	Description
Power Supply (2)	Redundant power supply input. ⁽¹⁾
Power Indicator Lights	Displays based on power supply health: <ul style="list-style-type: none"> • Solid green light – System is powered on and the power supply is healthy • Solid orange/amber light – Power supply is degraded⁽²⁾ • No light – System is not powered on or a power supply unit (PSU) has failed
Serial Port	<i>Optional.</i> Serial device connection.
USB 2.0 Ports (2)	<i>Optional.</i> USB device connection.
IPMI Port	IPMI port for device management over the network.
USB 3.0 Ports (2)	<i>Optional.</i> USB device connection.
Network Ports (2)	Network connection. ⁽³⁾
VGA Port	<i>Recommended.</i> Video graphics array (VGA) monitor connection.

10 Gigabit Ethernet Card	<p>If your organization's environment does not support 10 Gigabit throughput, the card reduces its speed to 1 Gigabit:</p> <ul style="list-style-type: none"> • 1 Gigabit Connection - Plug in a CAT5e cable for 1 Gigabit throughput. • 10 Gigabit Connection - Plug in a CAT6e cable and a 10 Gigabit switch for 10 Gigabit throughput.
10 Gigabit Fiber Card	<p>Use a small form-factor pluggable (SFP) transceiver module:</p> <ul style="list-style-type: none"> • SFP - Use SFP for 1/4 Gigabit/second throughput; you will need a multi-mode cable with LC connections or a direct attach cable. • SFP+ - Use SFP+ for 10 Gigabit/second throughput (included); you will need a multi-mode cable with LC connections or a direct attach cable. • Vendor-Specific SFP - If you are using a vendor-specific module in your environment, simply remove the Barracuda provided SFP and replace with other vendor. <p>By default the top port is active.</p> <p>If you want to bond the two ports for 20 gigabit throughput with failover capabilities, Contact Barracuda Networks Technical Support.</p>
<p>Notes:</p> <p>⁽¹⁾The C13 to C14 cable is standard for most rack setups as a power strip allows for the C14 connection. C13 to NEMA 5-15P is the standard for direct connections to a UPS.</p> <p>⁽²⁾The power supply may be degraded when, for example, one of the PSUs is not functioning. Push Reset; if this does not resolve the issue you may need to replace a PSU.</p> <p>⁽³⁾ Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support. Contact Barracuda Networks Technical Support for additional troubleshooting.</p>	

Figures

1. bbs_190_290_390_callouts_Sep2017.png
2. 190_front_panel_diagram_new.png
3. 190_rear_panel_diagram_latest.png
4. 290_rear_panel_diagram_Oct2018.png
5. 390_rear_panel_diagram_Oct2018.png
6. 490_rear_panel_diagram_Oct2018.png
7. 690_rear_panel_diagramOct2018.png
8. 2U_3U_front_panel_indicators_Sept2017.png
9. 790_890_rear_panel_diagram_Oct2018.png
10. 791_891_rear_panel_diagram_Oct2018.png
11. 8090_rear_panel_diagram_Oct2018.png
12. 895A_990_995A_rear_panel_diagram_Oct2018_.png
13. 895B_991_995B_rear_panel_diagram_Oct2018_.png
14. 9090_rear_panel_diagram_Oct2018.png
15. 4U_front_panel_indicators_Sep2017.png
16. 1090_rear_panel_diagram_Oct2018.png
17. 1091_rear_panel_diagram_Oct2018.png
18. 10090_rear_panel_diagramOct2018.png

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