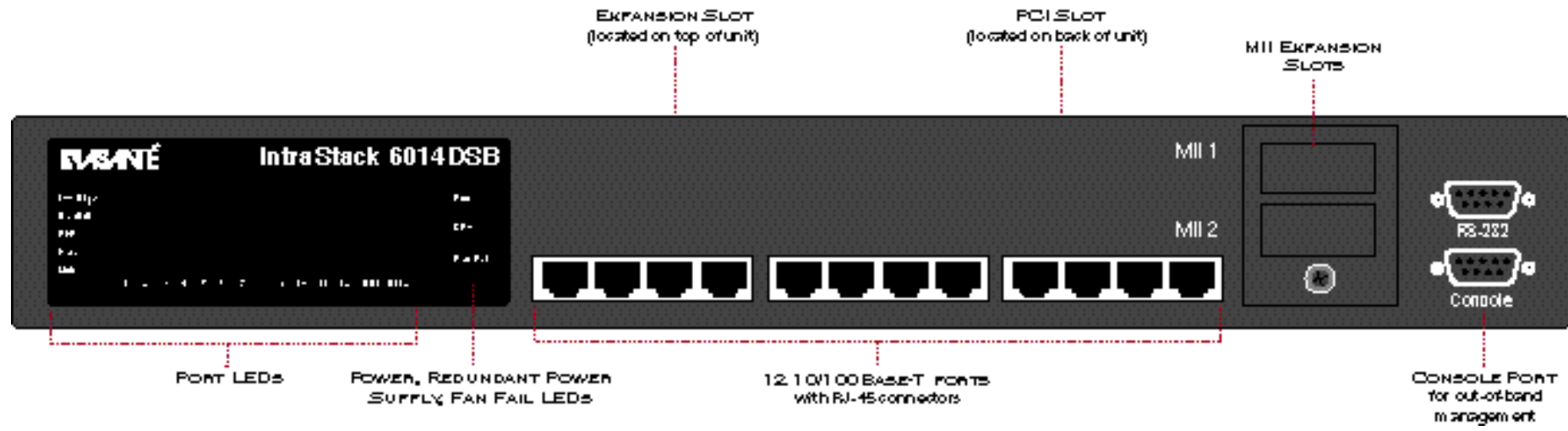


# IntraStack 6014DSB



## Overview

This guide provides instructions for mounting, installing, and configuring your IntraStack 6014DSB Ethernet switch.

This guide assumes you are familiar with installing and managing Ethernet switches. If you are not familiar with installing and managing Ethernet switches, refer to the IntraStack 6014DSB User's Manual included in your package for more detailed instructions.

## Package Contents

The IntraStack 6014DSB is shipped with the following items:

- |  |   |
|--|---|
| (1) IntraStack 6014DSB Ethernet switch | (1) MII opening bracket                               |
| (1) Goldcard™ connector                | (2) MII cover brackets                                |
| (1) Power cord                         | (1) User's Manual                                     |
| (2) Stack-mounting pins                | (1) Quick Installation Guide (this card)              |
| (2) Rack-mounting brackets             | (1) IntraStack Web Browser Management Manual Addendum |
| (16) Standard Phillips screws          | (1) Registration card                                 |

Additional materials required:

- Network cables — refer to Step #5 ("Connect to the Network") to determine the cables you need to connect the IntraStack to the network.
- Phillips screwdriver — for rack-mounting the IntraStack.

## Default Settings

The IntraStack 6014DSB is shipped with the following default configuration settings:

- |                            |                                     |
|----------------------------|-------------------------------------|
| • IP address: 0.0.0.0      | • Auto-negotiation: enabled         |
| • Subnet mask: 0.0.0.0     | • Spanning Tree: enabled            |
| • Default gateway: 0.0.0.0 | • Switching mode: store-and-forward |

# Quick Installation Guide

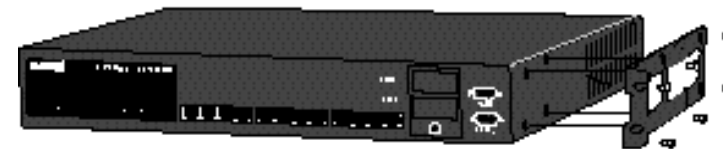
## 1 Rack Mount or Prepare for Desktop Placement

The IntraStack can be installed in a standard 19-inch equipment rack. It can also be placed on a horizontal surface with support capabilities of 12 pounds (5.4 kilograms).

### Equipment Rack Installation

To install the IntraStack in an equipment rack:

1. Place the IntraStack on a flat, stable surface.
2. Locate a rack-mounting bracket (supplied) and place it over the mounting holes on one side of the unit, as shown below.



3. Insert six screws (supplied) into the holes and tighten with a Phillips screwdriver.
4. Repeat the two previous steps for the unit's other side.
5. Place the IntraStack in an equipment rack.
6. Secure the IntraStack by screwing its mounting brackets to the equipment rack.

- Important:** Make sure the switch is supported until it is secured to the equipment rack. Failure to do so could cause the switch to fall, resulting in personal injury or damage to the unit, or both.

### Desktop Placement

The IntraStack has four rubber feet on the bottom of the chassis that enable desktop/free-standing installation of the unit.

For free-standing/desktop placement:

1. Place the IntraStack on a flat, stable, horizontal surface with a minimum area of 17.1" x 13.5" (434.3 mm x 342.9 mm) and support capabilities of 12 lbs. (5 kg.).

## 2 Install Expansion units (if any)

Up to two expansion units can be added to the IntraStack 6014DSB, allowing up to 4 connections in a single, logical stack.

Initial expansion units for the IntraStack 6014DSB include the following:

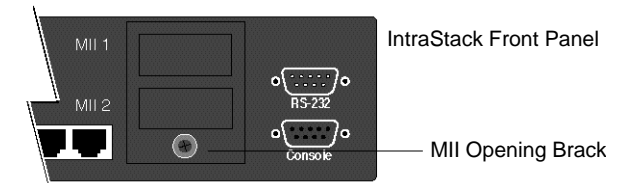
- IntraStack 6016DSE — 16 port, 10/100TX expansion unit
- IntraStack 6008FXE — 8 port, 100Base-FX fiber expansion unit

To install an expansion unit, refer to "Installing Expansion Units" in Chapter 2 of the IntraStack 6014DSB's User's Manual.

## 3 Install MII Expansion Modules (if any)

The IntraStack's two optional Media Independent Interface (MII) expansion slots on the switch's front panel allow for the addition of various types of media access modules, including: 10/100TX, 100Base-FX and 10Base-FL.

The MII expansion modules are sold separately and comply with IEEE 802.1 and 802.1u specifications.



To install an MII module:

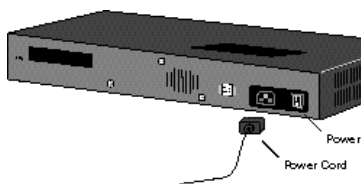
The MII expansion modules are hot-swappable; you can install and or/remove a module without turning the switch's power off.

1. Remove the MII opening bracket from the front of the MII expansion slots by unscrewing the bracket's thumbscrew.
2. Remove an MII cover bracket from the front of one of the MII expansion slots.
3. Align the bottom of an MII module with the rails on the inside of the expansion slot.
4. Slide the MII module into the slot until it stops, then push the module in until it seats with the connector.
5. Repeat steps 2 - 4 to install another MII expansion module.
6. Place the MII opening bracket over the MII expansion slots.
7. Tighten the thumbscrew on the MII opening bracket's cover.

## 4 Connect Power Cord

To connect the IntraStack's power cord:

1. Plug one end of the supplied power cord into the connector on the unit's rear panel.
2. Plug the other end into a grounded AC outlet.
3. Turn the power switch to the "on" position. The front-panel LEDs blink and the power light illuminates and remains on.
4. Turn the switch's power off.



### IntraStack Power Sequence

The following **power-on** sequence must be followed when an expansion unit is install

1. Power on the expansion unit(s) **first**.
2. Power on the IntraStack 6014DSB **last**.

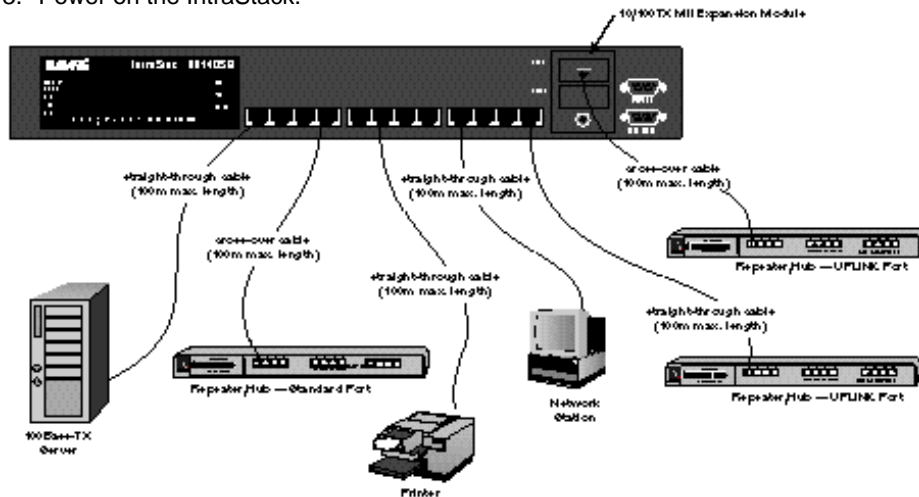
The following **power-off** sequence must be followed when an expansion unit is install

1. Power off the expansion unit(s) **first**.

## 5 Connect to the Network

To connect the IntraStack to an Ethernet network:

1. Make sure the IntraStack is **not** powered on.
2. Connect network devices to the switch, following the cable guidelines below.
3. Power on the IntraStack.



### 10/100 Port cabling procedures

- s **Important:** The IntraStack 6014DSB must be located within **100 meters** of its attached 10Base-T or 100Base-TX devices.

Connecting To	Cable Required
<b>Network Station</b>	Category 5 UTP (Unshielded Twisted-Pair) <b>straight-through</b> cable with RJ-45 connectors.
<b>Repeater Hub</b>	Category 5, UTP <b>cross-over</b> cable with RJ-45 connectors.
<b>Repeater Hub's UPLINK port</b>	Category 5, UTP <b>straight-through</b> cable with RJ-45 connectors.

### MII 10/100TX Expansion Port Cabling Procedures

Connecting To	Cable Required
<b>Network Station</b>	Category 5 UTP <b>cross-over</b> cable with RJ-45 connectors.
<b>Repeater Hub</b>	Category 5, UTP <b>straight-through</b> cable with RJ-45 connectors.
<b>Repeater Hub's UPLINK port</b>	Category 3, 4, or 5, UTP <b>cross-over</b> cable with RJ-45 connectors.

### MII 100Base-FX Expansion Port Cabling Procedures

Connecting To	Cable Required
<b>All Network Devices</b>	Dual 62.5/125 micron graded-index multimode fiber-optic cable with an <b>SC</b> connector.

### MII 10Base-FL Expansion Port Cabling Procedures

Connecting To	Cable Required
<b>SC Connector:</b> <b>All Network Devices</b>	Dual 62.5/125 micron graded-index multimode fiber-optic cable with an <b>SC</b> connector.
<b>ST Connector:</b> <b>All Network Devices</b>	Dual 62.5/125 micron graded-index multimode fiber-optic cable with a dual <b>ST</b> connector.

## 6 Configure for Management

To use the IntraStack 6014DSB as a managed switch, it must be configured with an IP address. This can be accomplished in one of two ways:

- automatically using BootP (default)
- manually via the Console port

### BootP Configuration

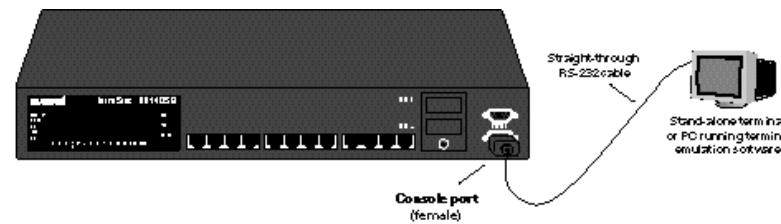
The IntraStack 6014DSB is shipped with BootP/TFTP support. BootP allows the switch to be automatically configured with an IP address when the switch is connected to the network and is powered on, if your network contains a BootP server configured with available, valid IP addresses.

1. Make sure your network has a BootP server configured with a valid IP address entry for the IntraStack.
2. When the IntraStack is connected to the network and is first powered on, it automatically transmits a BootP request across the network (up to **10** times) until it receives a valid IP address from the BootP server.
3. After an IP address is received, the switch can be managed via in-band access. Refer to Chapter 4 in the IntraStack 6014DSB User's Manual for more information. If an IP address is **NOT** received, the switch will need to be manually configured with an IP address via the Console port. See "Console Configuration" below.

### Console Configuration

1. Using an RS-232 cable, connect a stand-alone terminal or a PC with a terminal emulator to the Console port on the IntraStack.
  2. Make sure both units are powered on.
- If using a PC with a terminal emulator, make sure it is configured with the following terminal settings:

- Bits Per Second: 9600
- Data Bits: 8
- Parity: None
- Stop Bits: 1
- Flow Control Hardware: None



3. After connecting the terminal to the switch, the Local Management Interface Main Menu appears on the screen.
  4. Type **c** to open the Configuration Menu. The "Enter Password" prompt appears.
  5. Type **Asante** at the "Enter Password" prompt. The password is case-sensitive; enter it exactly as shown.
  6. Press return. The Configuration Menu appears.
  7. Type **i** to open the Switch IP Configuration Menu. The Switch IP Configuration Menu appears.
  8. Type **i** to select the option "Set IP Address."
  9. Enter the IP address to be assigned to the switch at the prompt, then press return.
- s **Important:** Depending on your network configuration, you may also need to set subnet mask and default router information. See "System IP Configuration" in Chapter 5 of the IntraStack 6014DSB User's Manual for instructions.
10. Type **a** to return to the Configuration Menu.

## LED Indicators

LED	Color	Meaning
<b>Power</b>	green	The switch is receiving electrical power.
<b>RPS</b>	amber	The switch's connection to its internal power supply has failed and the switch is using the redundant power supply (if connected).
<b>Fan Fail</b>	amber	One, or possibly both, of the switch's internal fans has failed.
<b>100Mbps</b>	green	The port is operating at 100Mbps speed.
<b>Max Util</b>	amber	The port's receive buffer is full (maximum utilization). <i>Note:</i> It is normal to see these LEDs illuminate during extremely high periods of network activity.
<b>FDP</b>	amber	The port is operating in full duplex mode.
<b>Data</b>	green	Traffic activity is occurring on a port (transmit [TX] or receive [RX]).
<b>Link</b>	green	A node or other network device is properly connected to the port.

- s **Important:** For information on using the front panel LEDs to troubleshoot problems with your network or the IntraStack, see Appendix A, "Troubleshooting," in the IntraStack 6014DSB User's Manual.

## Technical Specifications

<b>Network Management</b>	SNMP-compatible management software, HTTP management software, Telnet software
<b>Connectors</b>	RS-232 (DB-9), RJ-45, MII (Media Independent Interface)
<b>Spanning Tree Support</b>	IEEE 802.1d
<b>MAC Address Table Size</b>	8000
<b>Dimensions</b>	17.1" x 13.5" x 1.75" (434.3 x 342.9 x 44.5 mm) — 1.5 RU high
<b>Weight</b>	12 lbs. (5.4 kg.)
<b>Power Specifications</b>	
Voltage Range	100 - 240 VAC
Frequency	60/50 Hz
Max. Current Range	2 A
<b>Environment</b>	Temperature: 0° to 45° C, Relative Humidity: 5% to 85% non-condensing
<b>Standards Compliance</b>	MIB II, RMON, BootP, DHCP, IEEE 802.3, IEEE 802.3u, IEEE 802.1d
Safety	UL, CSA, VDE, TUV
Emissions	FCC Class A, EN55022, CE
<b>Redundant Power Supply</b>	Asanté RPSU 6000 (part number 99-00454-07) [sold separately]

## Asking for Assistance

Telephone .....	(800) 622-7464	AppleLink mail/BBS .....	ASANTE
Fax.....	(408) 432-6018	FTP Archive .....	ftp.asante.com
Fax-Back.....	(800) 741-8607	Internet mail .....	support@asante.com
Bulletin Board Service (BBS) .....	(408) 432-1416	World Wide Web Site .....	http://www.asante.com
ARA BBS (guest login).....	(408) 432-1416		

Technical Support Hours: 6:00 a.m. to 5:00 p.m. Pacific Standard Time, Monday-Friday