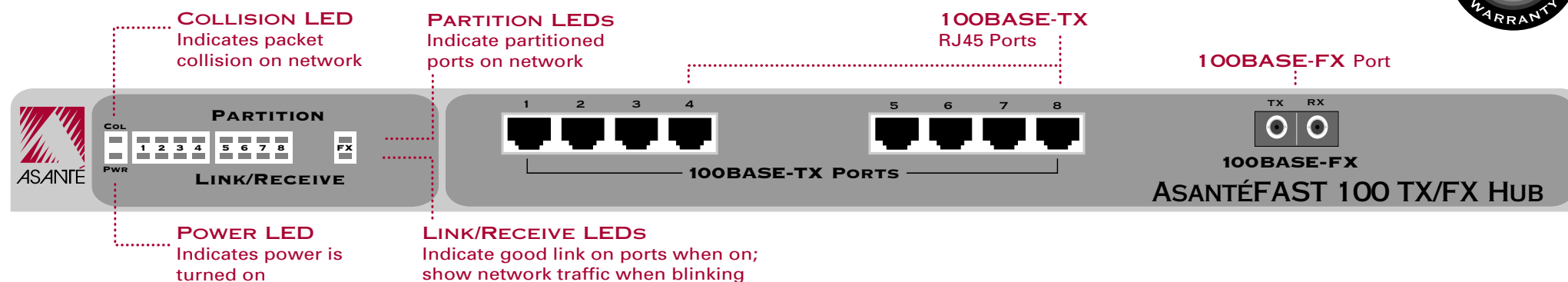


# ASANTÉFAST 100 TX/FX HUB



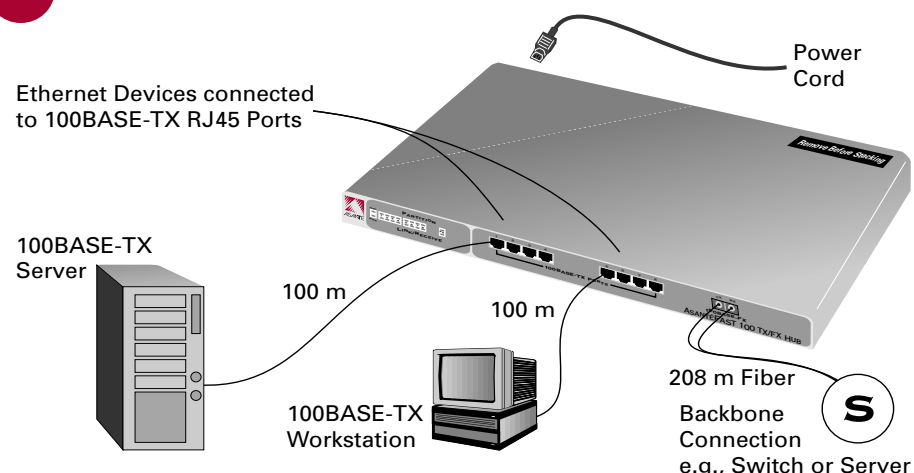
## 1 PACKAGE CONTENTS

You should have:

- 1-AsantéFAST 100 TX/FX Hub
- 3-Stack Mounting Brackets
- 2-Rack Mounting Brackets
- 6-Screws, 10" x 32" x 0.05"
- 1-Expansion Card
- 1-Power Cord
- 2-Extra Expansion Slot Labels
- 1-FAST Guide (this card)

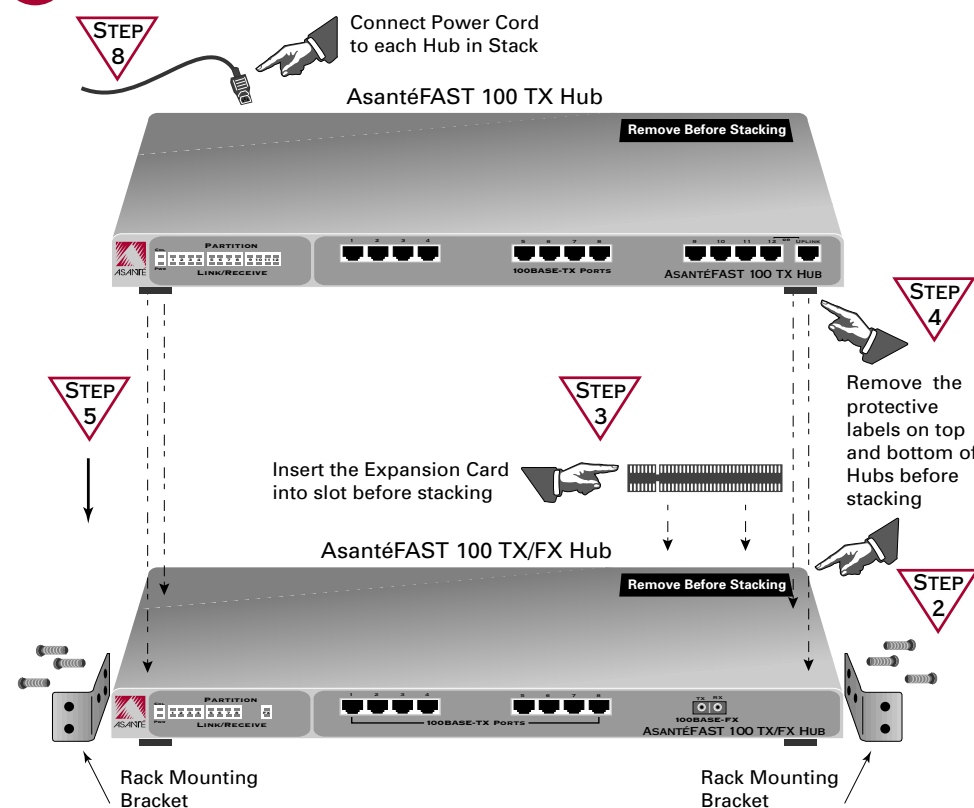
If you are missing anything, contact Asanté Technical Support.

## 2 SETTING UP HUB CONFIGURATION



- Place the hub on a flat surface.
- Connect power cord and turn on power switch on rear panel of the hub.
- Connect Category 5 UTP cable into 100BASE-TX RJ45 port on front of the hub.
- Connect the other end of the Category 5 UTP cable to the 100BASE-TX Ethernet device (100 meters maximum).  
**Note:** With both ends connected, the Hub's Link/Receive LED port should be on when the 100BASE-TX Ethernet device is turned on.
- Connect the multimode fiber optic cable (with an SC connector) to the FX fiber port on the front of the hub.
- Connect the other end of the fiber optic cable to a backbone connection.  
**Note:** The collision domain diameter for a single AsantéFAST 100 TX/FX Hub configuration must be less than 308 meters.

## 3 SETTING UP STACKED HUB CONFIGURATION

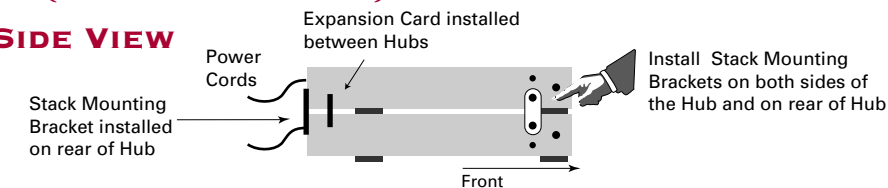


The AsantéFAST 100 TX/FX Hub can be stacked with AsantéFAST 100 TX Hubs. A maximum of 15 hubs can be stacked.

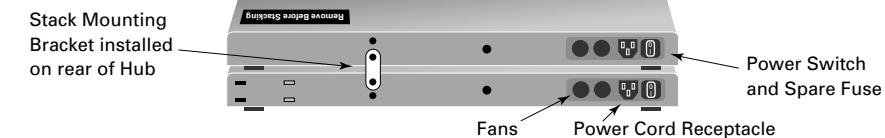
- Place hub on flat surface (ensure power is off before stacking hubs).
- Remove protective label from top of hub to expose expansion slot.
- Insert expansion card into slot, pressing firmly to snap into place.
- Take next hub and remove label from bottom of hub to expose slot.
- Carefully place this hub directly on top of first hub, ensuring expansion card is properly fitted in slots, then press firmly to snap into place.
- Install stack mounting brackets on both sides and rear of hubs (as indicated in Frame 4) using screws provided to secure connection of hubs.
- Repeat steps "2 through 6" for each hub added to stack.
- Connect each power cord to each hub in stack.
- Power up the hubs.

## 4 SETTING UP STACKED HUB CONFIGURATION (PANEL 3 CONTINUED)

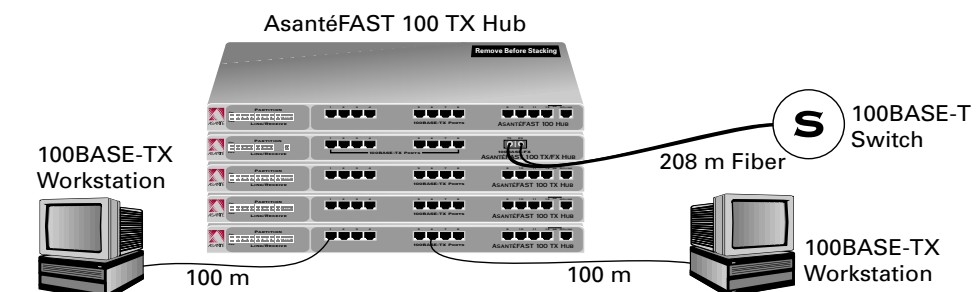
### SIDE VIEW



### BACK VIEW

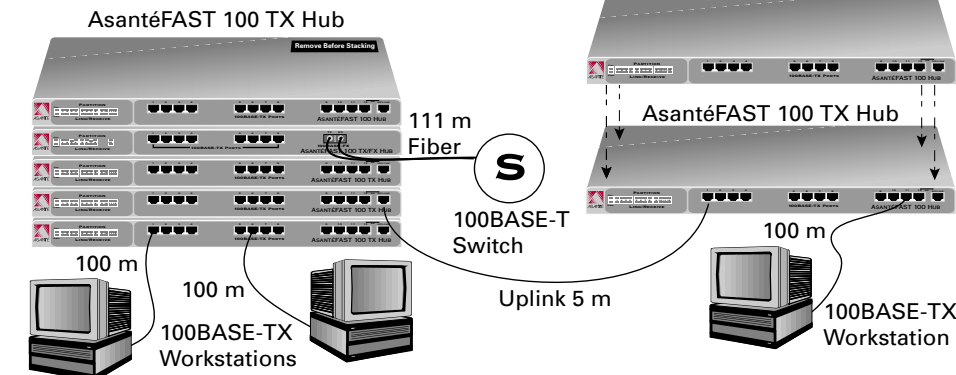


## 5 SINGLE STACK CONFIGURATION (ONE CLASS II REPEATER RULE) — BUILDING A STACK



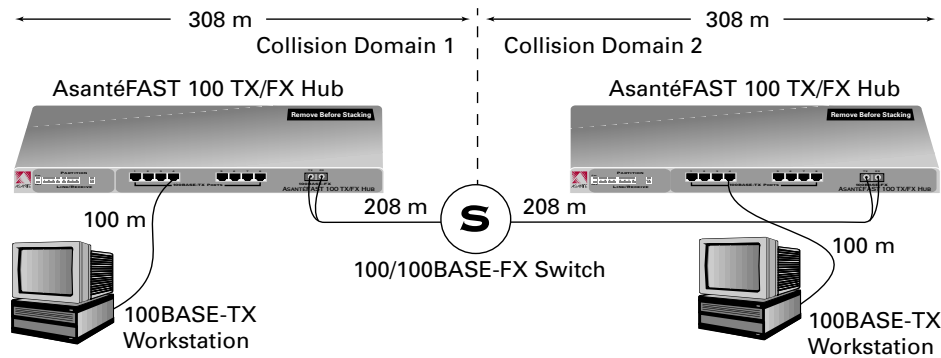
- Start with a single hub configuration.
- As demand for ports increases, add hubs to the stack (as described in "Setting Up Stacked Hub Configuration.")
- Add an AsantéFAST 100 TX/FX Hub to the stack, if a greater distance backbone connection is required.
- Continue to add hubs to a maximum of 15 hubs in a single stack.  
**Note:** In a single stacked hub configuration, the maximum length of the fiber optic cable is 208 meters.

## 6 BUILDING A SECOND STACK (TWO CLASS II REPEATERS RULE)



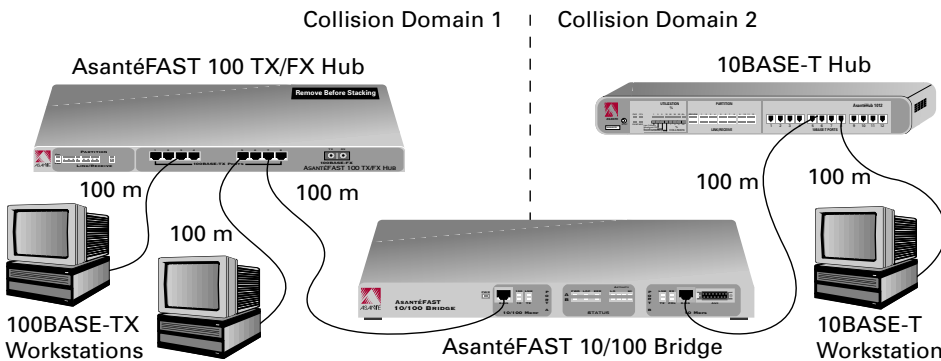
- If demand for ports increases beyond a single stack, another stack needs to be built.
- Start with a single hub configuration for the second hub.
- Connect Category 5 UTP cable (maximum 5 meters) from the Uplink port in the first stack to any 100BASE-TX RJ45 port in the second stack.
- If demand for ports increases beyond this configuration, add hubs to the stack as described in "Setting Up Stacked Hub Configuration" and "Building a Stack."  
**Note:** In a two-stacked hub configuration, the maximum length of the fiber optic cable is 111 meters.

## 7 NETWORKS LARGER THAN 308 METERS IN DIAMETER



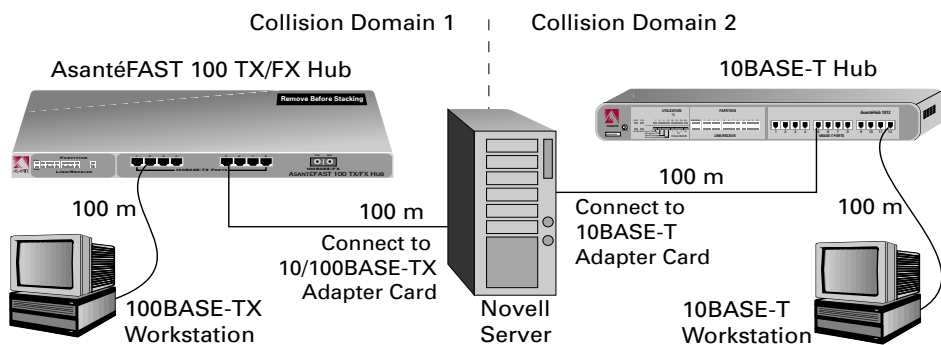
1. Networks larger than 308 meters in diameter require the use of another internetworking device (e.g., 100/100BASE-FX switch, or router).
2. Connect a fiber optic cable with an SC connector from the 100BASE-FX port on the hub to an internetworking device.

## 8 INTEGRATING INTO EXISTING NETWORKS USING A BRIDGE



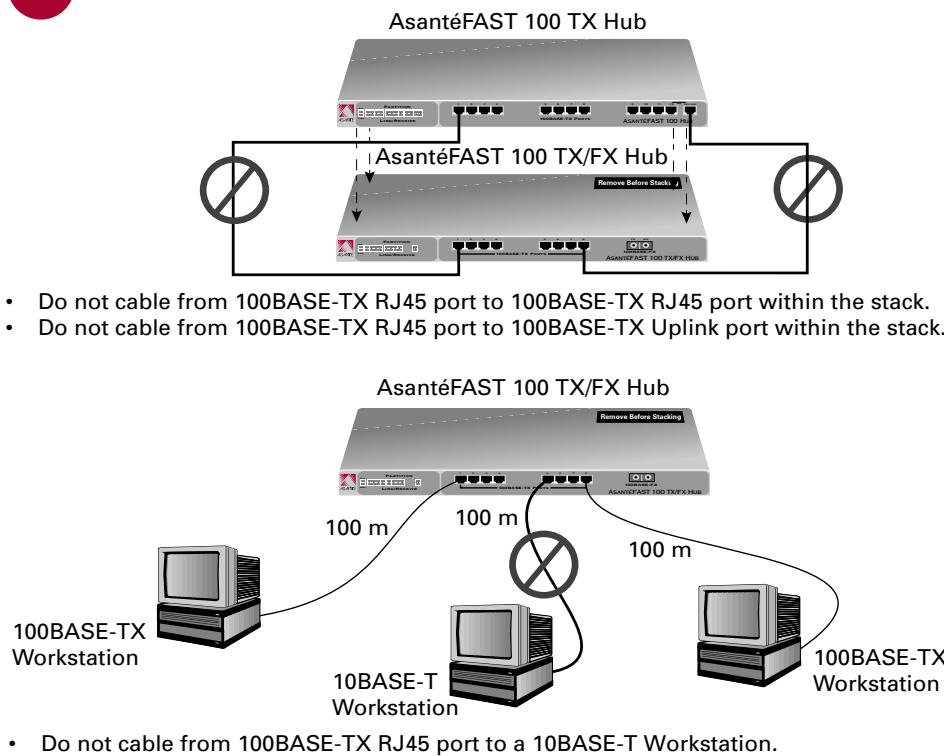
1. Integrating existing 10BASE-T networks to 100BASE-TX networks can be accomplished by using an AsantéFAST 10/100 Bridge.
2. Connect Category 5 UTP cable (up to 100 meters) from a regular port on the 100BASE-TX Hub to the AsantéFAST 10/100 Bridge.
3. Connect another Category 5 UTP cable from the AsantéFAST 10/100 Bridge to a 10BASE-T Hub port.

## 9 INTEGRATING INTO EXISTING NETWORKS USING A NOVELL SERVER



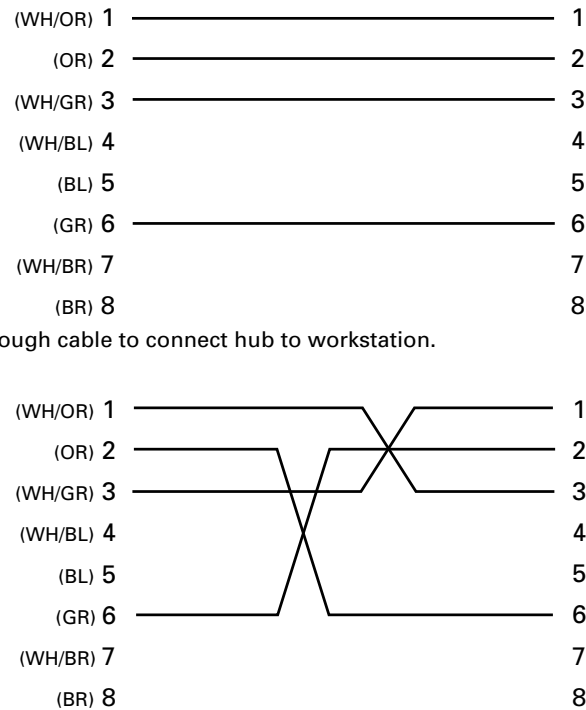
1. Integrating existing 10BASE-T networks to 100BASE-TX networks can be accomplished by using a Novell server as a software router.
2. Connect Category 5 UTP cable (up to 100 meters) from a 100BASE-TX RJ45 port on the hub to the 10/100BASE-TX adapter card installed in the Novell server.
3. Connect another Category 5 UTP cable from a 10BASE-T adapter card installed in the same Novell server to a 10BASE-T hub.

## 10 INVALID STACK CONFIGURATIONS



- Do not cable from 100BASE-TX RJ45 port to 100BASE-TX RJ45 port within the stack.
  - Do not cable from 100BASE-TX RJ45 port to 100BASE-TX Uplink port within the stack.
- 
- Do not cable from 100BASE-TX RJ45 port to a 10BASE-T Workstation.

## 11 CATEGORY 5 UTP PIN ASSIGNMENT (2 PAIRS USED)



- Straight-through cable to connect hub to workstation.
- Crossover cable to cascade two hubs without uplink port.

## TECHNICAL SPECIFICATIONS

100BASE-T Support:	Eight 100BASE-TX ports One 100BASE-FX port
Network Operating Systems Supported:	Novell NetWare, Novell NetWare Lite, Microsoft Windows 95, Microsoft Windows for Workgroups, Microsoft Windows NT, Microsoft LAN Manager, Banyan VINES, Artisoft LANtastic, IBM LAN Server, DEC Pathworks, NDIS- and ODI-compliant operating systems, Apple System 7, AppleShare, Novell NetWare for Macintosh, AppleTalk, TCP/IP, and other popular network system software
Expandability:	Stackable architecture supports up to 15 hubs in a single stack
Management:	A management unit may be added to the hub or stack of hubs to provide SNMP and out-of-band management
LEDs:	LEDs indicating link integrity, partition, power and collision
100BASE-TX Link Specifications:	
Cable:	2 pair - Category 5 UTP (Unshielded Twisted Pair) cable
Connector:	RJ45 (ISO 8877)
Maximum Length:	100 m (328 ft) computer to wiring closet
100BASE-FX Link Specifications:	
Cable:	Multimode Fiber Optic (2 strands) (62.5/125 micron cable)
Connector:	SC Fiber Optic
Maximum Length:	208 m (682 ft) in a single Class II hub configuration 111 m (364 ft) in a two cascaded Class II hubs configuration
Physical Dimensions:	437 x 208 x 40 mm (17.2 x 8.2 x 1.58 in.) - 1 RU rack unit high when mounted in a standard 19" rack
Weight:	2.73 kg (6 lbs)
Included Accessories:	19" rack and stack mount brackets
Environmental Conditions:	Temperature: 0° to 50° C Relative Humidity: 5% to 85% non-condensing
Power Supply:	90 to 240 V, 50/60 Hz, .5 A at 115 V
Standards Compliance:	IEEE 802.3u 100BASE-TX and 100BASE-FX FCC Part 15J Class A, UL, CSA, CE Class B
Support:	Lifetime Warranty • Free Technical Support • Commercial On-line BBS

## ASKING FOR ASSISTANCE

Telephone .....	(800) 622-7464	FTP Archive .....	ftp.asante.com
.....	(408) 435-0706	ARA BBS (guest login) .....	(408) 894-0765
Fax .....	(408) 432-6018	AppleLink mail/BBS .....	ASANTE
Fax-Reply .....	(800) 741-8607	Internet mail .....	support@asante.com
.....	(408) 954-8607	World Wide Web Site .....	http://www.asante.com
BBS .....	(408) 432-1416		

