BayStack 50 Series 10BASE-T Hubs

BayStack

Provide Affordable Network Connectivity

Deliver Simple Plug-and-Play Ethernet Solution

Extend Hub or Switch Connectivity

Support Expansion for Growing Environments

BayStack 50 Series 10BASE-T hubs offer a simple, standards-based, plug-and-play connectivity solution for supporting classrooms, remote offices, low-density departmental workgroups, and cubicle LANs. Working with the rest of the BayStack product family, including stackable 10BASE-T and 100BASE-T hubs, Ethernet and Fast Ethernet switches, high-performance routers, and remote and Internet access devices, the 50 Series hubs contribute critical LAN support capabilities to the industry's most complete Ethernet solution.

Delivering industry-standard IEEE 802.3i 10BASE-T for supporting 10 megabit-per-second (Mbps) Ethernet over unshielded twisted pair (UTP) cabling, the BayStack 50 Series hubs provide flexible platforms for supporting a variety of network environments. Four-, eight-, and 16-port hub options are available to meet a variety of connectivity requirements. An uplink port on each unit enables the hubs to be connected via standard UTP patch cables to meet the needs of growing workgroups.

For cubicle LANs, BayStack 50 Series 10BASE-T hubs provide a compact platform for users such as design engineers and systems programmers who have multiple workstations on their desktop, dramatically reducing cabling investments. The hub, installed inconspicuously in the workspace and connected to a higher-level hub in the wiring closet with a single cable, becomes a manageable extension of the larger network.

Benefits

Provide Affordable Network Connectivity
The BayStack 50 Series 10BASE-T hubs provide all the benefits of networking at an extremely attractive cost, all backed by a lifetime warranty. For networks designed more for resource sharing than client/server transactions, the BayStack 50 Series hubs are the optimal solution.

Deliver Simple Plug-and-Play Ethernet Solution
BayStack 50 Series hubs require little setup and configuration; just plug in the power cord and connect the users to have a functional network up and running within minutes.

Extend Hub or Switch Connectivity
Available in 4-, 8-, and 16-port versions, the BayStack 50 Series hubs offer a variety of platforms to meet the requirements of nearly any small network environment (see Figure 1). Five global power adapter options are also available, suitable for use in the United States, the United Kingdom, Europe, Japan, or Australia.

Support Expansion for Growing Environments
Each BayStack 50 Series hub features a front panel push-button uplink port that allows hubs to be connected together or to other BayStack 10BASE-T hubs or switches, offering a simple method for expanding the network to support additional growth. Built-in BNC and AUI ports provide direct backbone access via thin or thick coaxial cabling, or other media using the appropriate transceiver.

Features

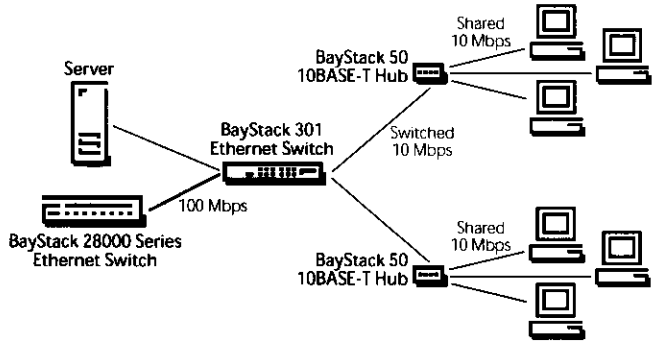
BayStack 50 Series 10BASE-T Hub Family

BayStack 50 10BASE-T Hub The BayStack 50 10BASE-T Hub offers four RJ-45 modular receptacles for supporting standards-based IEEE 802.3i 10BASE-T connections up to 100 meters over Category 3, 4, or 5 UTP cabling. Featuring a slim, compact design, the BayStack 50 hub represents an ideal solution for supporting cubicle-based LANs.

BayStack 51 10BASE-T Hub The BayStack 51 10BASE-T Hub features eight RJ-45 modular receptacles for supporting IEEE 802.3i 10BASE-T connections up to 100 meters over Category 3, 4, or 5 UTP cabling.

BayStack 52 10BASE-T Hub The BayStack 52 10BASE-T Hub offers 16 RJ-45 modular receptacles for supporting 10BASE-T connections up to 100 meters over Category 3, 4, or 5 UTP cabling.

Figure 1 | **Extending Managed Hub or Switch Connectivity**



Technical Specifications

Technical specifications for the BayStack 50 Series 10BASE-T hubs are shown in Table 1.

Table 1 **BayStack 50 Series 10BASE-T Hubs Technical Specifications**

Network Protocol	10 Mbps Ethernet
Standards Support	IEEE 802.3 CSMA/CD
	IEEE 802.3i 10BASE-T
	IEEE 802.3 10BASE2
	IEEE 802.3 10BASE5
	ISO 8802-3
Electrical Specifications	
Input Power	
BayStack 50	3.5 W
BayStack 51	13.7 W
BayStack 52	20.5 W
AC Voltage	115 – 125 VAC, 60 Hz (North America)
	90 – 110 VAC, 50 Hz (Japan)
	220 – 240 VAC, 50 Hz (Germany)
Weight	
BayStack 50	.74 lb (.34 kg)
BayStack 51	1.17 lb (.53 kg)
BayStack 52	1.97 lb (.89 kg)
Physical Dimensions	
BayStack 50	(H) 1.1 in. x (W) 3.7 in. x (D) 4.0 in. [(H) 2.8 cm x (W) 9.4 cm x (D) 10.1 cm]
BayStack 51	(H) 1.1 in. x (W) 6.2 in. x (D) 4.0 in. [(H) 2.8 cm x (W) 15.8 cm x (D) 10.1 cm]
BayStack 52	(H) 1.1 in. x (W) 11.3 in. x (D) 4.0 in. [(H) 2.8 cm x (W) 28.6 cm x (D) 10.1 cm]
Environmental Specifications	
Operating Temperature	5 °to 40 °C
Storage Temperature	–25 °to +70 °C
Operating Humidity	85% maximum relative humidity, noncondensing
Storage Humidity	95% maximum relative humidity, noncondensing
Operating Altitude	10,000 ft (3,000 m) maximum
Ventilation Clearance	Minimum 2 in. (5.08 cm) on all sides (stacking OK)
Operating Conditions	At least 6 ft (1.83 m) to nearest source of electromagnetic noise
Power Source Availability	Adequate power source within 6 ft (1.83 m)
Recommended Wiring Closet Service Clearance	5 in. (front); 7 in. (rear)

Table 1 | **BayStack 50 Series 10BASE-T Hubs Technical Specifications (continued)**

Safety Agency Approvals	UL listed CSA certified TUV licensed
Electromagnetic Emissions Summary	
Meets Requirements of	FCC Part 15, Class A Digital Devices VCCI Class 1 ITE EN 55 022 (CISPR 22, Class B) General license Vfg 243 (Class B) Compliance with the VCCI regulation is dependent upon the use of shielded AC power cables. The user is responsible for procuring the appropriate cables. Compliance with Class B regulations is dependent upon the use of shielded cables. The user is responsible for procuring the appropriate cables.

Ordering Information

Ordering information for the BayStack 50 Series 10BASE-T hubs is shown in Table 2.

Table 2 | **BayStack 50 Series 10BASE-T Hubs Ordering Information**

Order Number	Description
CG1001x08*	BayStack 50 Series 4-port 10BASE-T Hub
CG1001x09*	BayStack 50 Series 8-port 10BASE-T Hub
CG1001x10*	BayStack 50 Series 16-port 10BASE-T Hub

* The seventh character (x) of the hub order number must be replaced with the proper code to indicate desired product nationalization, as indicated below:
"A" No power cord included.
"B" Includes European "Schuko" power cord common in Austria, Belgium, Finland, France, Germany, The Netherlands, Norway, and Sweden.
"C" Includes power cord commonly used in the United Kingdom and Ireland.
"D" Includes power cord commonly used in Japan.
"E" Includes North American power cord.
"F" Includes Australian power cord, also commonly used in New Zealand and the People's Republic of China.

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United States

Bay Networks, Inc.
4401 Great America Parkway
Santa Clara, CA 95054
1-800-8-BAYNET

Bay Networks, Inc.
8 Federal Street
Billerica, MA 01821-5501
1-800-8-BAYNET

Europe, Middle East, and Africa

Bay Networks EMEA, S.A.
Les Cyclades – Immeuble Naxos
25 Allée Pierre Ziller
06560 Valbonne, France
+33-4-92-96-69-96 Fax
+33-4-92-96-69-66 Phone

Pacific Rim, Canada, and Latin America

Australia +61-2-9927-8888
Brazil +55-11-247-1244
Canada 416-733-8348
China +8610-6238-5177
Hong Kong +852-2-539-1388
India +91-11-301-0404
Japan +81-3-5402-7001
Mexico +52-5-480-1241
Singapore +65-323-3522

World Wide Web: **http://www.baynetworks.com**

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