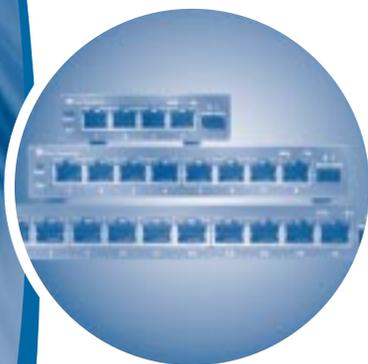## BAYSTACK 50 SERIES 10BASE-T HUBS

# BAYSTACK

# HUBS

**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 configurations meet a variety of connectivity requirements. An uplink AUI or BNC port on each unit enables the hubs to be connected via standard UTP patch cables to an existing Ethernet segment or to a transceiver.

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. BayStack 50 Series hubs are also an ideal solution for new, small networks with growth in mind.

**Bay Networks**  *Where Information Flows.*™

## FEATURES AND BENEFITS

### Highly Affordable

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.

### 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.

Table 1 shows the different models for the BayStack 50 Series 10BASE-T hubs.

### Expansion Support for Growing Environments

Each BayStack 50 Series hub features a front panel push-button uplink port (MDI/MDI-X) that allows hubs to be connected together or to other BayStack 10BASE-T hubs or switches (see Figure 1), offering a simple method for expanding the network to support additional growth.
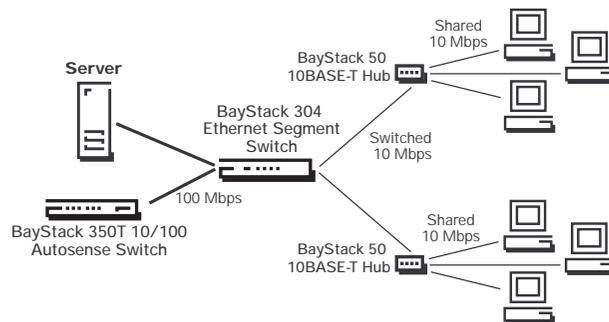
### Uplink Ports

Built-in BNC and AUI ports provide direct backbone access via thin or thick coaxial cabling, or other media using the appropriate transceiver.

### Real-Time Hub Status at a Glance

The BayStack 50 Series hubs provide real-time hub performance data for at-a-glance network monitoring. The display includes data and collision LED meters, port link and partition status LEDs, and power and initialization status LEDs. The LED matrix provides a complete summary of hub activity and configuration for rapid on-site management.

Table 1    BayStack 50 Series 10BASE-T Hub Models

| BayStack 50 Series 10BASE-T Hubs | 10BASE-T Ports | BNC Port | AUI Port |
|---|---|---|---|
| 50 | 4 | Yes | — |
| 51 | 8 | Yes | Yes |
| 52 | 16 | Yes | Yes |

Figure 1    Expansion Capability for Growing Environments

## TECHNICAL SPECIFICATIONS

Table 2    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) |
| **Safety Agency Approvals** | UL listed |
| | CSA certified |
| | TUV licensed |

**Table 2    BayStack 50 Series 10BASE-T Hubs Technical Specifications (continued)**

**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. |
| | Œ |

## ORDERING INFORMATION

**Table 3    BayStack 50 Series 10BASE-T Hubs Ordering Information**

| Order Number | Description |
|---|---|
| CG1001?08* | BayStack 50 10BASE-T Hub with 4 RJ-45 ports and 1 BNC port |
| CG1001?09* | BayStack 51 10BASE-T Hub with 8 RJ-45 ports and 1 BNC port and 1 AUI port |
| CG1001?10* | BayStack 52 10BASE-T Hub with 16 RJ-45 ports and 1 BNC port and 1 AUI port |

\* The seventh character (?) 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.

**Bay Networks**  *Where Information Flows.*

For more sales and product information, please call **1-800-8-BAYNET.**

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