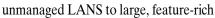# Intel Express
100BASE-TX Stackable Hub

100Mbps Fast Ethernet connectivity for bandwidth-hungry networks.

Intel Express 100BASE-TX Fast Ethernet Stackable Hubs deliver safe, scalable industry-standard 100 megabits-per-second (Mbps) connectivity for today's increasingly powerful PCs, servers and workgroups, and other demanding network environments.

The hubs combine the high-performance of modular hubs with the low-cost and flexibility of stackable hubs. The Intel Express stackable hubs provide a full 100Mbps throughput, and when combined with 10/100 adapters such as the Intel EtherExpress™ PRO/100 Adapter, they dramatically reduce network bottlenecks and increase response times tenfold over traditional 10Mbps Ethernet networks.

Stackable and manageable

The Intel Express stackable hubs are versatile and flexible, satisfying the needs of everything from small, unmanaged LANS to large, feature-rich managed networks. Single hubs provide a high-performance, low-cost solution for supporting up to 12 users. As demand grows, five additional hubs can be added to the stack, providing 72 users with Fast Ethernet performance.

The addition of a network management module provides full Simple Network Management Protocol (SNMP) management capabilities supported by Bay Networks' EZ-LAN (Optivity* for Workgroups) family of network management applications. Up to six hubs can be stacked to act as a single managed unit, providing a scalable solution that enables networks to grow incrementally for a modest investment. Because the Intel Express hub is a shared media device, it can be managed by hundreds of today's popular management and trouble-shooting applications.

100BASE-T hub connectivity and modularity

The Intel Express Stackable Hub combines scalability, flexibility and affordability, offering a low-cost, high-performance solution for a variety of applications.

The 100BASE-T hubs are preconfigured with 12 RJ-45 modular receptacles supporting the IEEE 802.3u 100BASE-TX specification over two-pair Category 5 unshielded twisted pair (UTP) cabling. The hubs also include built-in expansion and media adapter slots that support a variety of network management and 100BASE-T media adapter modules.

Maximum reliability

100BASE-T hubs are designed to provide maximum reliability, ensuring the network always remains operational even under the most demanding conditions.

In addition, redundant network management modules can be installed in a 100BASE-T hub stack, providing an emergency management backup in the event of a primary network management module failure.

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LED display

Each 100BASE-T hub features a front-panel LED matrix display to report hub, expansion slot, media adapter and network status at a glance. The display also provides information about individual port connectivity, collisions, link and partition status. An easy to read utilization LED display is also provided to report utilization levels for that hub's particular stack or collision domain.

Standards-based Fast Ethernet

A safe, proven, reliable technology, Fast Ethernet delivers the bandwidth required to alleviate the congestion that is hampering traditional 10Mbps Ethernet networks today. Approved by the IEEE as 802.3 Ethernet standard and supported by more than 75 networking vendors, 100BASE-T represents the next logical step for organizations seeking to improve the performance of their existing networks.

Product	Order Number
100BASE-T Base Unit	EC100TX
Cascade cable	EC100CC

FaxBack* Document	Number
Fast Ethernet Deployment Guide	6369
Intel EtherExpress™ PRO/100 Adapters Data Sheet	6285
White Paper: Introduction to Fast Ethernet	6354
Intel Branded Products Price List	9000

Call 800-525-3019 or 503-264-6835 to order FaxBack documents.

Product Information

U.S. and Canada	800-538-3373 or 503-264-7354	**Hong Kong, Taiwan, Korea, Singapore and ASEAN**	+65-735-3811
Europe	+44 1793-431155	**Australia**	+61-2-937-5800
Japan	+81-298-47-1841	**World Wide Web**	http://www.intel.com

Intel. We put you in control of your network.

Environmental specifications

- *Operating temperature: 5° to 40° C*
- *Storage temperature: -25° to 70° C*
- *Operating humidity: 85% max relative humidity, noncondensed*

Electromagnetic emissions

- *Meets requirement of: FCC Part 15, Subpart B, Class A; EN 55022 (CISPR 22:1985), Class B; General License VDE 0871, Class B (AmtsblVfg No. 243/1991); VCCI Class 1 ITE*

Electromagnetic susceptibility

- *Electrostatic discharge (ESD): IEC 801-2, Level 3/2*
- *Electrostatic discharge (ESD): IEC 801-2, Level 3/2*
- *Electrical fast transient/burst: IEC 801-4, Level 2*
- *Electrical surge: IEC 801-5, Level 2/1*

Safety agency approval

- *UL listed (UL 1950), UL 94-V1*
- *CSA certified (CSA 22.2 #950)*
- *IEC 950/EN 60 950 (TUV)*

Interface options

- *RJ-45 connectors for Category 5 UTP (two-pair wire) or 100-ohm STP (two-pair wire) 100 BASE-TX Ethernet interface*