CB 2000 Client Bridge

Spectrum24® Wireless LAN

IEEE 802.11b, 11 MBPS, DIRECT SEQUENCE

Wi-Fi™ Wireless Connectivity for Printers, Cash Registers, PCs, Manufacturing and Medical Equipment and More

The Spectrum24 CB 2000 Client Bridge from Symbol Technologies connects Ethernet-enabled devices to your Spectrum24 802.11b or other Wi-Fi certified wireless LAN. It plugs into the RJ-45 port of printers, scales, medical equipment, manufacturing machinery, time clocks, point-of-sale, and other devices without a PC or PCI card slot. You gain convenient, easy-to-deploy wireless network connectivity for your productivity and application critical devices. At the same time, you can move equipment without the cost and time associated with wired network drops, providing flexibility for seasonal requirements, line and staffing changes, and more.

Cost-Effective, Easy to Use and Manage

A single CB 2000 cost-effectively connects up to four client devices. Little or no configuration is required for true plug-and-play wireless connectivity right out of the box. An internal web server enables configuration and management from any standard Web browser. And a firmware upgrade utility enables new features to be added easily, protecting your investment.

The sleek and compact industrial design features an integrated radio and internal antenna. Data is transmitted up to a fast 11 Mbps with a range of 1,500 ft./450 m.

Secure Data Transmission

The CB 2000 supports security to meet your application and device requirements:
▸ WEP encryption at 40- and 128-bits
▸ Symbol's implementation of the industry-standard Kerberos V5 protocol, providing enhanced data protection. Kerberos is easy to implement, operating system and application independent, and provides maximum security for mobile environments.

A Wide Range of Applications—and Benefits

With the CB 2000, you can quickly and easily arrange assembly lines and shop floors. Retailers can wirelessly connect point-of-sale terminals, enabling quick and easy networking changes for seasonal and floor layout requirements—without the expense and time of re-wiring. Hospitals can provide connectivity for monitoring and other equipment placed on roving carts. And office environments can be configured to support changing work groups and staffing requirements.

Features	Benefits
IEEE 802.11b compliant	Interoperable standards-based wireless networking
Easy configuration	The flexibility to meet changing application requirements
Support for international roaming	Seamless worldwide communications
Wide temperature range and robust mechanical design	Delivers reliable, top performance in the most demanding environments
Kerberos V5 Open Security Standard based on the Network Authentication Protocol developed by MIT	Supports an enhanced level of security for mobile environments; easy to implement; operating system and application independent
2.4 to 2.5 GHz band	Unified solutions for multi-national organizations with approved international frequencies
Connectivity options including TCP/IP stack	Reliable data transport for serial client devices

End-to-End Wireless Mobility

Only Symbol offers a complete range of wireless networking products—access points, client connectivity cards, ruggedized mobile voice and data devices and network management

software as well as wireless mobility planning and deployment services—delivering high-performance mobility solutions to companies across industries, around the world. Let Symbol help you realize your end-to-end wireless mobile computing strategy for the optimal capture, computing, and communication of data crucial to the success of your business.
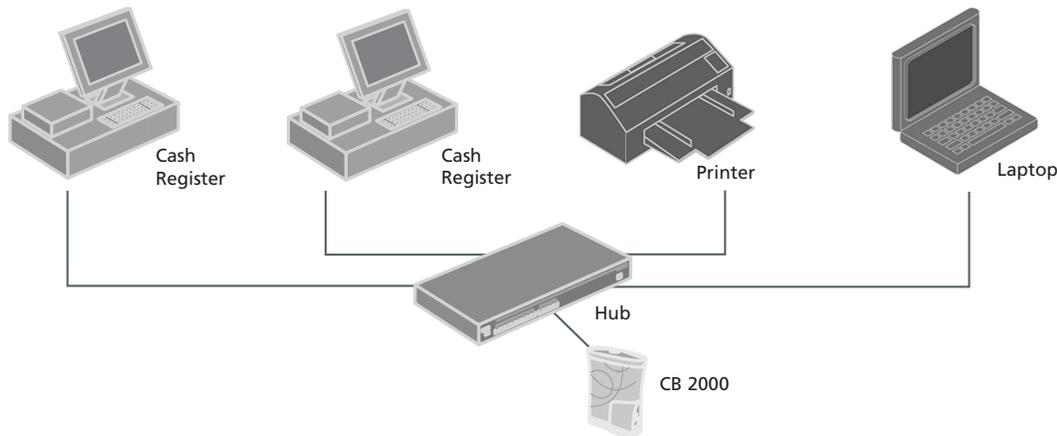
The Spectrum24 CB 2000—the flexible, affordable solution for instant wireless connectivity for Ethernet devices throughout your enterprise. To learn more about Symbol's wireless solutions, visit **www.symbol.com/wireless**

CB 2000 Client Bridge Specifications

Physical Characteristics	
Physical Dimensions:	4.29 in. L x 3.24 in. W x 1.52 in. D/109 mm L x 82 mm W x 39 mm D
Interfaces:	Ethernet Interface: RJ-45 10BASE-T; 802.11b (2.4 GHz DSSS)
Security:	Kerberos V5 open security standard; 40 and 128-bit WEP encryption
Protocol Support:	TCP/IP; IPX; NetBEUI; DHCP
Network Management:	Embedded Web server; remote configuration (if required); visible by SNMP management tools
Standards:	IEEE 802.11b; IEEE 802.3; IEEE 802.1d; HTTP
Compatibility	
Supported Devices:	Windows-based PCs equipped with Ethernet cards; point-of-sale devices; network printers; thin clients; Mac/Apple machines; Linux/Unix workstations; Ethernet-enabled appliances; and/or mix of all devices listed
Radio Characteristics	
Frequency Range:	Worldwide product covering 2.4 to 2.5 GHz, programmable for different country regulations
Data Rate:	11 Mbps per Channel maximum; rate scaling to 1 Mbps, 2 Mbps, 5.5 Mbps for optimum throughput
Institute of Electronics and Engineering Standards:	IEEE 802.11b
Modulation:	Direct Sequence Spread Spectrum with BPSK (1 Mbps), QPSK (2 Mbps), and CCK (5.5 and 11 Mbps)
Range:	Up to 1,500 ft./450 m in open environment
Regulatory	
Electrical Safety:	UL1950/CSA 22.2; CE
Radio:	FCC Part 15B

©N410 CE

A hub enables the CB 2000 to wirelessly connect up to four Ethernet-enabled devices:

Cash Register   Cash Register   Printer   Laptop

Hub

CB 2000

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

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