CB3000 Client Bridge

Wireless LAN Interface for Ethernet Devices

Simple, cost-effective high performance wireless connectivity for printers, point-of-sale and Ethernet enabled devices

The CB3000 provides a robust wireless connection for your Ethernet-enabled devices — from printers, scales, medical equipment, and manufacturing machinery to time clocks, point-of-sale devices and more. The need to extend wiring is eliminated, reducing the cost and complexity of deployment for devices without a PCMCIA or PCI card slot. And the ability to update the firmware provides the investment protection you need, ensuring that the CB3000 meets your networking needs today as well as tomorrow.

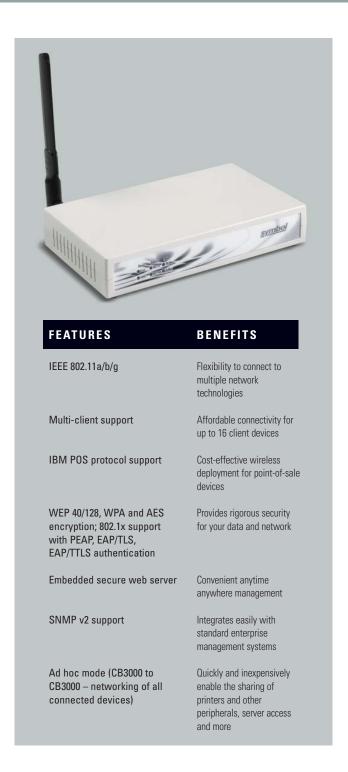## Increase productivity throughout your enterprise

The CB3000 allows you to cost-effectively extend the availability of applications, devices, and real-time data, resulting in a productivity increase throughout your enterprise. The ability to move information from time clocks directly into your payroll application eliminates time spent manually processing time cards. The ability to collect statistics from manufacturing machinery enables early identification and resolution of equipment problems — before they impact yield. And the wireless connection enables network changes to be executed quickly and easily, as needed — for example, to connect point-of-sale devices to support a sale in a specific area of the store.

Easy to deploy and manage with enterprise functionality

The CB3000 offers the simplicity of true plug-and-play deployment — minimal configuration is required. Your wireless client devices enjoy uninterrupted connectivity — the CB3000 can easily roam to another access port or access point as needed. And a secure internal web server provides the convenience of anywhere anytime management through any standard web browser.

A secure, reliable, easy to move connection

The CB3000 provides the enterprise-class security you need — advanced encryption and authentication mechanisms protect your network and data from unauthorized users. And wireless connectivity offers maximum flexibility. Equipment can be easily moved as needed to accommodate seasonal requirements as well as line and staffing changes, without the time and expense of re-wiring.

FEATURES	BENEFITS
IEEE 802.11a/b/g	Flexibility to connect to multiple network technologies
Multi-client support	Affordable connectivity for up to 16 client devices
IBM POS protocol support	Cost-effective wireless deployment for point-of-sale devices
WEP 40/128, WPA and AES encryption; 802.1x support with PEAP, EAP/TLS, EAP/TTLS authentication	Provides rigorous security for your data and network
Embedded secure web server	Convenient anytime anywhere management
SNMP v2 support	Integrates easily with standard enterprise management systems
Ad hoc mode (CB3000 to CB3000 – networking of all connected devices)	Quickly and inexpensively enable the sharing of printers and other peripherals, server access and more

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The Enterprise Mobility Company ™

Connect up to 16 devices in nearly any environment

The robust mechanical design and support for a wide range of temperatures delivers reliable performance throughout your enterprise, from your front office to the retail, warehouse or factory floor. And when used in conjunction with an Ethernet hub, a single CB3000 can connect up to 16 client devices to your Symbol wireless switches, access ports and access points, making the CB3000 an outstanding value.

An ideal companion for your mobility solution

The CB3000 – a flexible and very economical wireless connection enabling the movement of data to and from many types of devices, with the reliability, performance and security you expect in Symbol enterprise mobility solutions. Symbol Services also offers the comprehensive support and technical expertise you need to design, deploy and maintain the most successful mobility solutions.

For more information on the CB3000, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the Web at **www.symbol.com/cb3000**

CB3000 Specifications

Physical Characteristics

Dimensions:	7.0 in. L x 4.0 in. W x 1.2 in. D/179 mm L x 102 mm W x 31 mm D
Interfaces:	Ethernet Interface: RJ-45 10/100Base-T; 802.11a/b/g
LEDs:	Power (Status/Error), WLAN (802.11a/802.11g), LAN (10/100 Mb)
Operating Temp:	32° to 122° F/0° to 50° C
Humidity:	10% – 90% non-condensing

Software Specifications

Security:	WPA2/802.11i; 802.1x Supplicant, PEAP, EAP/TLS, EAP/TTLS
Network Protocol Support:	TCP/IP, DHCP, SNMP v2

Network Management:	Embedded Secure Web server; SNMP v2 support, Discovery Tool included for all bridges in Layer 2 network
POS Protocol Support:	RPL, PXE; Limit one RPL or PXE terminal per bridge
Standards:	IEEE 802.11a/b/g; IEEE 802.3; IEEE 802.1d; 802.11i; 802.11h (DFS/TCP); HTTPS

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
Device Manager:	Windows 2000, Windows XP

Radio Characteristics

Frequency Range:	802.11a: 5.150—5.825 GHz 802.11b/g: 2.4—2.4835 GHz
Data Rate:	802.11a/g: 54, 48, 35, 24, 18, 12, 9 & 6 Mbps 802.11b: 11, 5.5, 2 & 1 Mbps

Radio Sensitivity (minimum):	802.11b	1 Mbps	– 97 dBm	802.11g	6 Mbps	– 91 dBm
		2 Mbps	– 93 dBm		9 Mbps	– 89 dBm
		5.5 Mbps	– 91 dBm		12 Mbps	– 89 dBm
		11 Mbps	– 85 dBm		18 Mbps	– 85 dBm
	802.11a	6 Mbps	– 90 dBm		24 Mbps	– 84 dBm
		9 Mbps	– 88 dBm		36 Mbps	– 80 dBm
		12 Mbps	– 87 dBm		48 Mbps	– 76 dBm
		18 Mbps	– 85 dBm		54 Mbps	– 74 dBm
		24 Mbps	– 81 dBm			
		36 Mbps	– 79 dBm			
		48 Mbps	– 73 dBm			
		54 Mbps	– 72 dBm			

Nominal Transmitter Power:	802.11b/g	20.5 dBm+1/-1.5 dBm @ 1, 2, 5.5, 11 Mbps 20.5 dBm +1/-1.5 dBm @ 6, 9, 12, 18, 24 Mbps 18.5 dBm +1/-1.5 dBm @ 36 Mbps 17.5 dBm +1/-1.5 dBm @ 48 Mbps 16.5 dBm +1/-1.5 dBm @ 54 Mbps
	802.11a	20.5 dBm +1/-1.5 dBm @ 6, 9, 12, 18, 24 Mbps 16.5 dBm +1/-1.5 dBm @ 36 Mbps 15.5 dBm +1/-1.5 dBm @ 48 Mbps 14.5 dBm +1/-1.5 dBm @ 54 Mbps
Modulation:	DSSS (Direct Sequence Spread Spectrum), OFDM (Orthogonal Frequency Division Multiplexing)
Range:	Up to 1,000 ft./300 m in open environment (range varies based on environment)

Regulatory

Electrical and Mechanical Safety:	cUL1950; EN60950 and IEC60950
EMC:	FCC Part 15B; ICES-003 Class B; EU EN 301 489 Parts 1 & 17; EN 60601-1-2 (Medical)
Radio:	FCC Part15.247, 15.205, 15.209, 15.207, 15.203, 15.407; Canada: RSS-210; EU EN 300 328 (2.4GHz), EN 301 893 (5GHz); Japan ARIB STD-66, 33 & T71

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at **www.symbol.com**

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