

High-Speed Infrared LAN and Internet Access System

ESB301 / ESB3011b



EthIR Beam

The EthIR LAN® ESB301 Family provides all the benefits of a multiport EthIR Switch in a small form factor. The ESB301 contains two 10/100 Base-T switching ports, while the ESB3011b contains one 802.11 port and one IrDA infrared wireless network access point, DHCP and SNMP network management functions. One of the two 10/100 Base-T ports connects to your PC with a Ethernet port and the other one connects to the Ethernet uplink. The 4Mbps infrared (IR) port provides network access for Palm handhelds, Windows portable devices, Pocket PC, eBooks and other Internet appliances. All ports operate simultaneously and independently. The ESB3011b can be mounted on the wall or placed on a desk top.

The ESB301 family easily connects to the network through a RJ45 jack or 802.11b uplink. Installed in a DHCP environment, the ESB301 automatically acquires two IP addresses while the ESB3011b acquires one IP address from the server. In non-DHCP environment, the ESB301 can be assigned two IP addresses (the ESB3011b has one IP address to be shared by the EthIR LAN and handheld appliances) by the network administrator. One of the IP addresses is used by EthIR LAN itself and the other IP address is kept inside the EthIR LAN then assigned to the connected handheld appliance through the IR port.

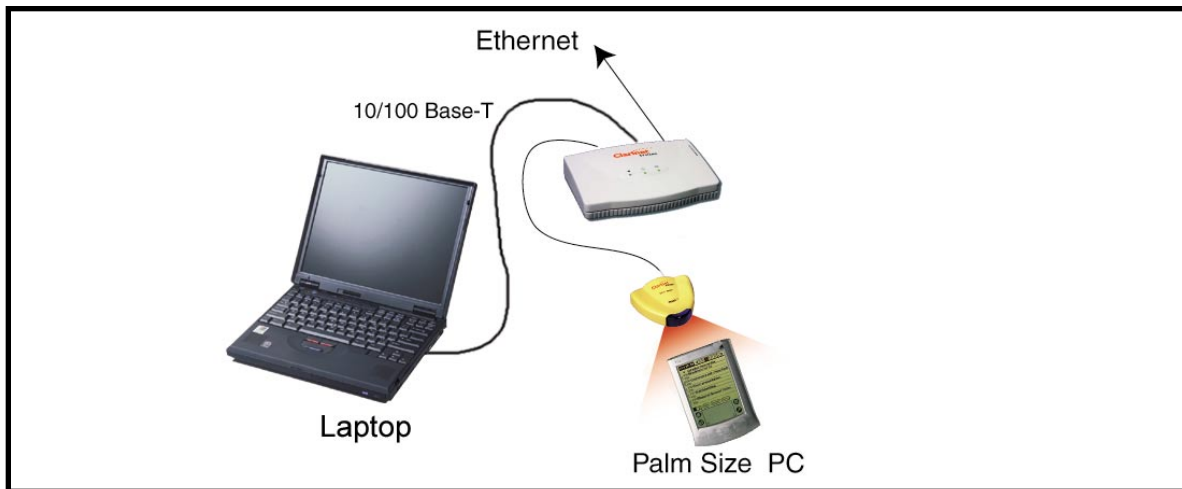
The ESB301 family is targeted at conference rooms, offices, classrooms, public areas such as hotel guest rooms or coffee shops and healthcare environments.

Features:

- Supports Windows 95/98/2000, CE/Pocket PC, Palm OS, Psion EPOC, Linux & Apple Mac OS
- Provides up to 4Mbps throughput over IR
- IEEE and IrDA standards compliant
- Provides two 10/100Base-T switching ports (ESB301)
- 802.11b uplink (ESB3011b)
- Auto configure/connect for Windows 95/98/2000, Pocket PC and Palm using ClarinetIR™
- Supports DHCP, PPP, IrCOMM, IrNET and OBEX (New feature 4/02)
- SNMP network management

Benefits:

- Wireless & high-speed access to the Internet, LAN and WAN
- Eliminates the need for PC cards, cradles or companion PC's
- ESB301 support (1) 10/100Base-T and (1) IR Port simultaneously with one 10/100Base-T up-link to preserve the LAN drop for a PC or a second EthIR LAN
- Easy to set up and use



Technical Specifications Dual Ethernet Port ESB301

EthIR Switch™ (Dual Ethernet Port ESB301)

Models

ES 301 1x FIR, 2x 10/100Base-T

Connections

Up-link: 10/100 Base-T

IR Link: Mini DIN Connector to EthIR Beam

PC Link: 10/100 Base-T to PC

Network Management

SNMP agent (RFC 1157)

MIB II (RFC 1213)

Clarinet Systems specific MIB

Power Supply Adaptor I/P

100~120 VAC, 130mA, 50/60Hz

220~240 VAC, 65mA, 50/60Hz

Power Supply Adaptor O/P

7.5V DC, 1.2A

Dimensions

W x D x H: 17.7cm x 12.7cm x 3.81cm
(7" x 5" x 1.5")

Weight

~0.25Kg (8.7oz)

Certifications

CE Mark

FCC part 15 Class B

VCCI Class 1

Safety

UL and cUL

Environmental

Operating temperature: -10 to 60 degrees C

Storage temperature: -20 to +70 degrees C

Operating humidity: 20% to 80% non-condensing

EthIR Beam® (EB 100)

Color

EB 100-10 EthIR Beam, Beige (**Included**)

Connections

Mini DIN connector to EthIR Beam

Mini DIN Cable Max length 6'

Protocol

IrDA 1.0 SIR (9.6Kb, 57.6Kb, 115Kb)

IrDA 1.1 FIR (4Mb)

Dimensions

W x D x H: 9.0cm x 8.0cm x 3.0cm
(3.54" x 3.15" x 1.18")

Weight

~0.1Kg (3.5oz)

Safety

AEL Class 1

Ordering Information:

Model

Description

ESB301

ES301(EthIR Switch)+EB100(EthIR Beam)+AC adapter(110V for Asia & US).

ESB301-EU

ES301(EthIR Switch)+EB100(EthIR Beam)+AC adapter(for Europe).

ESB301-JP

ES301(EthIR Switch)+EB100(EthIR Beam)+AC adapter(for Japan).

ESB301-UK

ES301(EthIR Switch)+EB100(EthIR Beam)+AC adapter(for United Kingdom).

Compatible with the following devices:

Palm organizers IIIx, V, Vx, OS 3.3+, *VII OS 3.2+, IBM WorkPad, Sony , Handspring (Requires Palm OS3.3 +), Windows 95/98/2000, Windows CE 2.1+, handheld and Palm-Size PCs, Apple Mac OS, Linux OS and Psion EPOC. **Check our web site for updates. www.clarinetsys.com**

ESB3011b

802.11b Uplink



802.11b Access Point
(Not Included)

Technical Specifications-Single Port ESB3011b

EthIR Switch™ (Single Port ESB3011b)

Models

ESB3011b 1x FIR port, 1x 802.11b uplink

Connections

Up-link: 802.11b

IR Link: IrDA 1.0 SIR (9.6Kb, 57.6Kb, 115Kb)

IrDA 1.1 FIR (4Mb)

Network Management

SNMP agent (RFC 1157)

MIB II (RFC 1213)

Clarinet Systems specific MIB

Power Supply Adaptor I/P

100~120 VAC, 130mA, 50/60Hz

220~240 VAC, 65mA, 50/60Hz

Power Supply Adaptor O/P

7.5V DC, 1.2A

Dimensions

W x D x H: 17.7cm x 12.7cm x 3.81cm

(7" x 5" x 1.5")

Weight

~0.25Kg (8.7oz)

Certifications

CE Mark

FCC part 15 Class B

VCCI Class 1

Security

64/128 bit WEP

Environmental

Operating temperature: -10 to 60 degrees C

Storage temperature: -20 to +70 degrees C

Operating humidity: 20% to 80% non-condensing

Ordering Information:

Model

Description

ESB3011b

ESB3011b + AC adapter(110V for Asia & US).

ESB3011b-EU

ESB3011b + AC adapter(220V for Europe).

ESB3011b-JP

ESB3011b + AC adapter(100V for Japan).

ESB3011b-UK

ESB3011b + AC adapter(240V for United Kingdom).

Compatible with the following devices:

Palm organizers IIIx, V, Vx, OS 3.3+, *VII OS 3.2+, IBM WorkPad, Sony , Handspring (Requires Palm OS3.3 +), Windows 95/98/2000, Windows CE 2.1+, handheld and Palm-Size PCs, Linux OS and Psion EPOC.

Check our web site for updates. www.clarinetsys.com

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* Palm VII requires an IR enhancement module from Palm Computing, Go to www.palm.com for more information.

Note: Specifications are subject to change without notice. All brand names and trademarks are the exclusive property of the manufacturers.