ORiNOCO™
EC and EC-S Ethernet®
and Serial Converters
Fast, Reliable Wireless Connectivity for Ethernet Devices

With the ORiNOCO Ethernet Converter (EC) and the ORiNOCO Ethernet and Serial Converter (EC-S) products, you can wirelessly connect your Ethernet devices that are equipped with Ethernet ports and/or serial ports. The EC functions as a direct connection between an Ethernet device, using UTP cabling (10baseT), and the ORiNOCO wireless network. The EC-S adds a serial port, an RS-232 interface to the converter. With the EC-S, you can connect an Ethernet device to the ORiNOCO network while simultaneously using the RS-232 interface. Thus, you can at the same time, run a telnet connection to the network or connect a printer to the same network.

Adaptable for Many Applications

The ORiNOCO Ethernet and Serial Converter products are adaptable for many wireless networking environments such as:

- **Retail environments** – POS terminals and scanners
- **Offices** – printers, copiers, UNIX® machines, or systems with non-standard OS
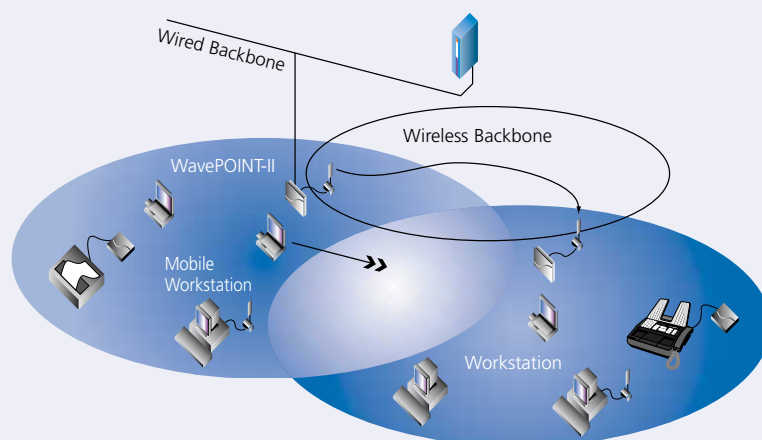- **Industrial applications** – data collection

Special ORiNOCO Option

For those client stations that have standard support for Ethernet 10BaseT or a serial port but do not have extension slots available, the ORiNOCO Converters allow connections to the wireless infrastructure. The EC-S unit is easy to install and it is self-configuring. It provides cost-effective, wireless connectivity for Ethernet and/or RS-232 clients. All ORiNOCO EC-S units are equipped with an EC Manager tool, enabling you to customise the unit parameters easily. Clients with RS-232 ports can be serviced with a simple configuration of the ORiNOCO EC-S unit via the EC Manager or via the RS-232 port.

Basic ORiNOCO EC and EC-S Configuration

Wired Backbone

Wireless Backbone

WavePOINT-II

Mobile Workstation

Workstation

YOUR MOBILE BROADBAND CONNECTION

ORiNOCO™
THE NEW WAVELAN

ORiNOCO EC and EC-S Specifications

Device Type	Removable PC Card Type II
Dimensions	14.1 x 9.2 x 3.0 cm (5.6 x 3.6 x 1.2 in)
Interfaces	
Serial interface/EC-S only	RS-232-C DB9 connector
WaveLAN interface	Standard WaveLAN/IEEE PC Card (not included)
Ethernet interface	RJ-45 (10BaseT) UTP
Data Rates	IEEE 802.11 Compliant
LED Indicators (4)	Power (Green) / Error (Red) Ethernet Link (Green) / Activity (Amber) WaveLAN Association (Green) / Activity (Amber) RS-232-C RX (Green) / TX (Amber) (EC-S only)
Input Voltage	5 V DC
Input Current (typical)	
Standby	30 mA
Receive	350 mA
Transmit	400 mA
Power Adapter	5 V DC / 1 Amp (Adapter included)
Operating Conditions	
Temperature	0°C to 55°C
Extended temperature range	–20°C to 70°C with limited range
Humidity	20% to 90% (non-condensing)
Comcodes	
Ethernet Converter	
848 333 415	(US)
848 333 423	(EUR)
848 333 431	(UK)
848 333 449	(AUS)
848 333 456	(JAPAN)
Ethernet & Serial Converter	
848 333 464	(US)
848 333 472	(EUR)
848 333 498	(UK)
848 333 506	(AUS)
848 333 514	(JAPAN)
848 072 633	Range Extender Antenna (5dBi) Option

Acronyms

IEEE	—	Institute of Electrical and Electronics Engineers
LAN	—	Local Area Network
OS	—	Operating System
POS	—	Point of Sale
RF	—	Radio Frequency
RS-232	—	An EIA specified physical interface between data communications equipment and data terminal equipment.
UTP	—	Unshielded Twisted Pair

For additional information, please contact your Lucent Technologies Sales Representative.

You can also visit our web site at http://www.lucent.com/orinoco or call 1-800-928-3526.

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