



ORiNOCO™ Active Ethernet Solutions

Power over Ethernet for the Wireless LAN



The ORiNOCO Active Ethernet solution provides Power over Ethernet (PoE) capabilities for the ORiNOCO product line of enterprise, outdoor and public area wireless networking equipment, including Access Points, Access Servers and Outdoor Routers.

The cost-effective Power over Ethernet solution

The ORiNOCO Active Ethernet solution eliminates the need for power units (AC to DC converters) and 110/220 V AC cabling installation. With the Active Ethernet solution, system installation requires only a single Ethernet cable for each Access Point, rather than separate power and data cables.

The right-sized Power over Ethernet solution

The ORiNOCO Active Ethernet solution encompasses a "power injector", typically installed in the wiring closet, that "injects" DC power to the Ethernet cable. This device is available in three models: for handling twelve ORiNOCO infrastructure units (19" rack slot), for handling six ORiNOCO infrastructure units and for handling one ORiNOCO infrastructure unit.

The intelligent Power over Ethernet solution

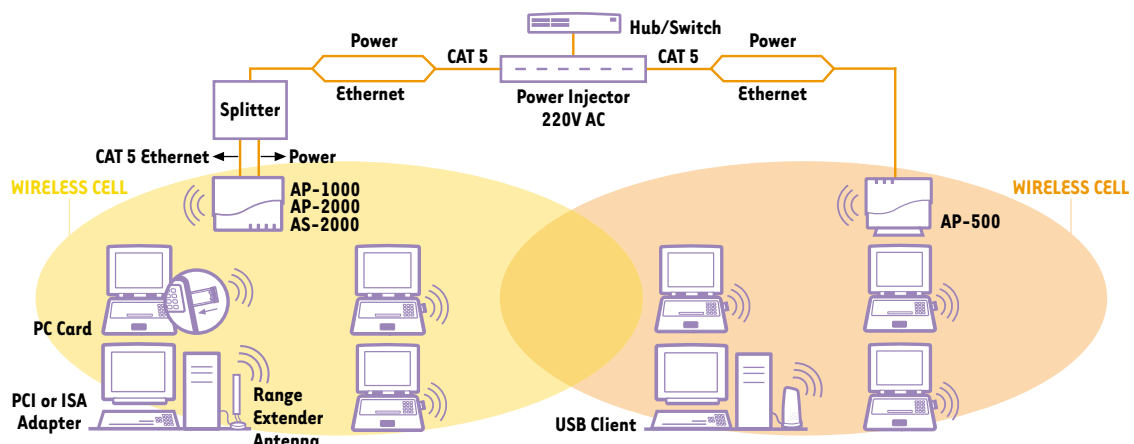
The ORiNOCO Active Ethernet power injection unit includes Automatic Load Sensing, which constantly checks for the presence of connected devices that can handle PoE. When no devices are detected, power is

turned off for that port, protecting other devices connected to the Ethernet cable, preventing permanent damage and resulting network downtime.

The ORiNOCO Active Ethernet is part of the complete ORiNOCO product family of infrastructure and client products - all you need to deliver wireless LAN functionality in the Enterprise, Public Domain, Small Business or Home or Small Office.

ORiNOCO ACTIVE ETHERNET FEATURES

- Provides DC over Ethernet cable to ORiNOCO infrastructure products (Access Point, Access Server and Outdoor Router products)
- Significant savings on installation costs
- Preventing power on if Ethernet is incorrectly connected which protects against installation errors
- Supports Automatic Load Sensing, with power current limitation and voltage protection, eliminating the risk of damaging Ethernet cabling or connected equipment



About Agere Systems

The Wireless Communications and Networking Division (WCND) of Agere Systems, formerly known as the microelectronics division of Lucent Technologies, is a global leader in wireless local area network (WLAN) technology. It designs and sells ORiNOCO wireless LAN products and solutions through a network of leading OEM customers. Agere Systems has also established WLAN sales channels to service providers, enterprise customers and end-users through several e-commerce sites and a vast array of value-added resellers. The ORiNOCO line of products encompasses a full range of indoor and outdoor WLAN products, as well as enhanced security products for public areas and security-conscious enterprises.



The Standard For
Wireless Fidelity

Wi-Fi is a trademark of the Wireless Ethernet Compatibility Alliance, Inc.
Windows and Windows Me are registered trademarks of Microsoft Corporation.

More information on ORiNOCO products:
www.orinocowireless.com



ORiNOCO Active Ethernet Specifications

ADDITIONAL FEATURES

- Provides power to the infrastructure device over the Ethernet cable
- Remote power feeding: AP/AS/OR* receives power over the Ethernet cable
- Centralized power distribution; Multiple AP/AS/OR* can be connected to a single AE*
- Smart Ethernet wiring; AE acts as a normal patch panel and places approx. 48 VDC on unused Ethernet pins
- Automatic load sensing; Power control circuitry automatically detects an AP/AS/OR* before providing power

INTERFACE

Ethernet Interface	Input (Data In): 1.6 or 12 ports; Ethernet 10/100 Mbps RJ 45 female socket Output (Data and Power Out): 6 or 12 ports; Ethernet 10/100 Mbps, plus approx 48 VDC RJ 45 female socket; with DC voltage on wire pairs 7-8 and 4-5
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SERIAL PORT INTERFACE

Connector Type	DB9 Serial Data Monitor Port
Uses	Factory test only

PHYSICAL SPECIFICATIONS

Dimensions	1-port = 35 x 105 x 140 6-port = 215 x 44 x 335 mm 44 x 215 x 335 12-port = 440 x 66 x 301 mm 66 x 440 x 301
Weight	1-port = 0.5 kg 6-port = 1.5 kg 12-port = 3.2 kg

ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0°C to 55°C	10-90% (no condensing)
Storage	-20°C to 75°C	10-90% (no condensing)

POWER SUPPLY

Input Voltage	90-264 VAC (47-63 Hz)
Input Current at 110 VAC	3.6 Amperes
Total Power Consumption, Continuous, 6 ports at full load	225 Watts
Output Power, per Port	15 Watts
Nominal Output Voltage, per Port	42-52 VDC, metal enclosure; 19 inch rack mount

WARRANTY

1 year

PACKAGE CONTENTS

- Ethernet Converter unit
- AC to DC power adapter
- Mounting bracket with screws & adhesive pads
- Getting Started Guide
- CD-ROM

* AP = Access Point AS = Access Server
OR = Outdoor Router AE = Active Ethernet