



TeraStar EtherAnt

TeraStar™ EtherAnt

802.11b Wireless Client in a Flat Panel Antenna

Description

Proxim's TeraStar EtherAnt is a powerful 802.11b FCC certified unit that offers the lowest entry price for a point-to-multipoint (P-MP) outdoor wireless equipment. It is designed for the residential market as a cost-optimized solution, and is the client side of a wireless P-MP network. This all-in-one unit includes an embedded 18 dBi antenna and a 2.4 GHz radio. Because of its outstanding feature set and affordable price, the EtherAnt provides the best value in the outdoor wireless industry. The EtherAnt works with any 802.11b compatible Access Point, and features true plug-and-play installation allowing for rapid deployments.

Easy to Install

With the EtherAnt you don't have to worry about complicated client installations, no more worrying about driver conflicts with various OS, and, best of all, you don't have to open up your PC! Simply plug the EtherAnt directly into the client computer's Ethernet adapter and you are ready to go! Also, because the radio is in the antenna, there is no coax cable loss. Up to 300 feet of Ethernet cable (ordered separately) between the DC injector and the antenna can be used with no signal loss. Just plug the outdoor Ethernet cable into the Cat 5 DC Injector, and then into the PC or Router, and you're done. Since it is FCC certified for nonprofessional installation, it is legal for the customer to do self-installation.

Extend Your Coverage with the EtherAnt-LR

Two versions of the EtherAnt are available: the standard series EtherAnt with an integral 18 dBi gain flat panel antenna, and the EtherAnt-LR with the addition of an integrated bi-directional fixed amplifier to boost range and improve reception.

Key Features

- Flat panel antenna with 18 dBi gain and 18° beamwidth
- Weatherproof – designed and rated for outdoor use
- Antenna is only one inch thick and 14 inches square
- Can be mounted in either vertical or horizontal polarization
- Mounts either to a wall or antenna mast up to 1 fl inch diameter
- Remotely Configurable and Manageable based on IP address via an embedded Web interface

APPLICATIONS

- 802.11b client designed and built for outdoor use
- Ideal solution for providing wireless Internet access to distance clients
- Communicates with any Wi-Fi compatible Access Point
- Radio and Ethernet Converter built right into the antenna
- EtherAnt-LR features an amplifier inside the antenna that largely extends the possible coverage
- Professional installation not required by FCC Part 15 Rules

Example of a TeraStar EtherAnt mounted on the roof of a house



About Proxim Wireless

Proxim Wireless is a global leader in networking equipment for Wi-Fi and broadband wireless networks. Proxim provides solutions for enterprise applications, last mile access, municipal broadband networks, and cellular backhaul. Product families include ORINOCO and TeraStar Wi-Fi products; Tsunami, TeraBridge, Gigalink, and TeraOptic Ethernet bridges, and Lynx point-to-point digital radios.

TeraStar EtherAnt Specifications

HARDWARE FEATURES	IMPLEMENTATION
Ethernet	10 Base-T
Power	Accepts Power over Ethernet (PoE) at 48 VDC
Hardware Watchdog Timer	Yes
Reload Factory Defaults Pushbutton	Yes
Antenna	Flat panel with integrated Ethernet Converter (plus amplifier for the EtherAnt-LR)
Frequency Range	2.150 – 2.850 GHz
Forward Gain	18 dBi
Front/Back Ratio	30 dB
VSWR	< 1.5:1
Polarization	Horizontal or Vertical
Cross Polarization Rejection	20 dB
Beamwidth	18 degrees
Termination	N-Type Female
Dimensions (H x W x D)	14 x 14 x 1.25 in
Weight	4 lbs
Flat Panel Equivalent Area	1.36 sq ft
Wind Survival	125 mph
Coverage Range	Up to 6 miles
Radome	High Impact UV Stabilized Plastic (DOW ABS 952)
Operating Temperatures	-20° C to +45° C (-4° F to 113° F)
Regulatory	FCC Class B, Part 15 Certified
SOFTWARE FEATURES	IMPLEMENTATION
Number of MAC Addresses Transparently Transmitted from the EtherAnt to the Associated Base Station	1
Number of Ethernet (Wired) Users Supported	1 to 5
Password-based Security	Yes
Communicates with any 802.11b compatible Access Point	Yes
Connects directly into PCs without installing device drivers	Yes
Remotely configurable and manageable via a Web interface	Yes

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