

## Tranzeo RF Wireless LAN



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## Geodesy Laser Wireless LAN



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# GeoDesy Wireless Laser Systems



The more than 120 years' experience in fine mechanics is utilised by GeoDesy in the production of FSO equipment. These products feature a unique electronic 'heart', combined by high-precision optical elements which are located, calibrated and adjusted by micron-accuracy. The equipment have to withstand even extreme weather-conditions, so the rugged mechanical housing and high-quality

surface-treatment are key elements to their dependable operation.

These tough requirements have been successfully tackled by the professional staff of GeoDesy, which resulted in the GeoDesy FSO equipment being among the most frequently used on the international marketplace. As all other GeoDesy products, the FSO equipment are also produced according to the MSZ EN ISO 9001:2001 quality-assurance system.

## APPLICATIONS

- Interconnect LANs in campus or Industrial environments
- Emergency backup
- VoIP connectivity
- Temporary installations
- Replace lower speed leased lines or radio links
- IP based security applications

## FEATURES

- Free space wireless communications
- Full Duplex wirespeed connectivity
- Industry standard interfaces
- Secure data communications
- Quick installation and redeployment
- Built in signal monitoring
- Built in management with SNMP\* Standard on NEXT models, optional on others.

New for 2009 are the GeoDesy 100Mbps Pico-X , 100Mbps Pinto-X laser systems and the 1000Mbps Pico-X ranges. All NEXT units are smaller and lighter than the previous models making for easier and quicker installations. All Next units feature Power over Ethernet (PoE) interfaces for data and power connectivity, and are fitted with a Layer 2 non blocking switch and can be fully managed via a web browser or SNMP. Each Next laser head also features a status system also allows you to check the signal strength of both heads from either head, again another usefull feature to aid installation.

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## PICO X & Pinto X 100Mbps PoE Systems



0-200Mtr	<b>PX-P0200E100TPLT</b>
200-350Mtr	<b>PX-P0350E100TPXT</b>
0 - 500Mtr	<b>PX-P0500E100TPLT</b>
500-650Mtr	<b>PX-P0650E100TPXT</b>
48V PoE Injector	<b>3CNJPSE-UK</b>

Each POE system comprises of a pair of heads and wall mount brackets. Full web management requires registration of the unit with GeoDesy.

## GigaPico X 1000Mbps PoE System



0-200Mtrs	<b>GD-P0200E1000TPLT</b>
200-350Mtrs	<b>GD-P0350E1000TPXT</b>
48V PoE Injector	<b>3CNJPSE-UK</b>

Requires two CAT5e cables, one for PoE and the other for the 1000BaseT interface. Each system comprises of a pair of heads and wall mount brackets. Full web management requires registration of the unit with GeoDesy.

## SuperGIG 1000Mbps Laser Systems



<b>RJ45 1000BASE-T Interface</b>	
500Mtrs UTP	<b>GD-P0500E1000TPLT</b>
650Mtrs UTP	<b>GD-P0650E1000TPXT</b>
1300Mtrs UTP	<b>GD-P1300E1000TP</b>
2500Mtrs UTP	<b>GD-P2500E1000TP</b>
<b>SC 62.5/125 Multimode 1000BASE-SX interface</b>	
500Mtrs MM SC	<b>GD-P0500E1000MMLT</b>
650Mtrs MM SC	<b>GD-P0650E1000MMXT</b>
1300Mtrs MM SC	<b>GD-P1300E1000MM</b>
2500Mtrs MM SC	<b>GD-P2500E1000MM</b>

### Options

Gigabit LX Interface	<b>GD-LX</b>
Heater Option	<b>GD-Heater</b>

These options must be specified at time of order. The Gigabit series systems come complete with external PSU and wall mount brackets. Available with either RJ45 or fibre interface.

### Free Training

Minitrans in conjunction with GeoDesy hold regular training days for the GeoDesy FSO range of products. If you would like to become a GeoDesy approved installer, please contact the sales office for course details.

## Modular Systems 1.5-5Km (100Mbps)



1500Mtrs UTP	<b>GD-P1500E100TP</b>
1500Mtrs MM F/O	<b>GD-P1500E100MM</b>
2500Mtrs UTP	<b>GD-2500E100TP</b>
2500Mtrs MM F/O	<b>GD-2500E100MM</b>
5000Mtrs UTP	<b>GD-5000E100TP</b>
5000Mtrs MM F/O	<b>GD-5000E100MM</b>

The Modular systems are supplied with external PSU, but no mounting brackets.

## Mounting hardware



<b>LB-WALL-MOUNT</b>	<b>LB-WALL-MOUNT</b>
<b>LB-MOUNT-T</b>	<b>LB-MOUNT-T</b>

A wide selection of mounting brackets are available to suit most mounting requirements. Call the sales office for details on the various mounting systems. Wall bracket for Modular Systems, LB-Mount-T allows the wall bracket to be used in the vertical position, for flat roof mounting.



Tranzeo is a leading global solution provider dedicated to research, design, development, and manufacturing of wireless data solutions for broadband wireless Internet access as well as various mobile data applications. Tranzeo is specialized in broadband wireless products for the following environments and applications.

- iP Wireless home and SOHO
- iP Enterprise and Corporate Wireless LAN
- iP Wireless ISP, Public Wireless LAN, and Hotspot services
- iP Interbuilding and wireless metroLAN
- iP MESH networks

## 5GHz Building to Building



20DBi PtP WLAN Unit	<b>TR-5A-20</b>
24dBi PtP WLAN Unit	<b>TR-5A-24</b>

The external mount TR-5A range is the ideal RF solution for building to building links. By combining the access point and antenna into one unit Tranzeo have produced a compact PoE WLAN system which is quick and simple to install and maintain. The TR-5 range can be configured as an Access Point, a Point to Point bridge, or a Client Adapter (CPE). No additional RF cables or antennas are required. Supplied PoE injector means only one CAT5 cable is required to each head unit. Features include: web interface, WPA, WEP, SNMP and a full diagnostics. The TR-5A-20 offers 54Mbps radio rates over 4Km and the 24 version in excess of 8Km.

## 5GHz Building to Building



24DBi PtP WLAN Unit	<b>TR-5PLUS-24</b>
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Same general specifications as the TR-5A range but with enhanced transmitter power and increased receiver sensitivity. Features include: web interface, WPA, WEP, SNMP and a full diagnostics. The TR-5PLUS offers 54Mbps radio rates upto 16Km.

TR-5Plus No antenna	<b>TR-5PLUS-N</b>
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The TR-5PLUS version is also available without the built in antenna for use in multiple point systems. Higher RF output of this radio compared to the TR-5a series makes this unit suitable for longer range connectivity when combined with the antennas listed on the right.

## 802.11a/b/g Systems



AP Router	<b>AG-3621</b>
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Featuring PoE support, the unit can be used in one of three modes. Access point, Wireless Bridge, Wireless Repeater. User friendly web based management allows the setting up and administration of the unit.

Virtual AP (VAP) can be set up to differentiate policies and services among users, and highly effective security includes Wi-Fi Protected Access 2 (WPA2) and is 802. 11i-ready, 802.1x RADIUS support with EAP TLS, TTLS, PEAP. Additional features include: WiFi Multimedia(WMM) to optimize audio, video and voice application. SNMP V2 Agent: Private MIB, 802.11MIB Supported.

## 5GHz Antennas and Cables



24dBi Grid Antenna	<b>5800SPL04</b>
12dBi Omni Antenna	<b>5800AT12</b>
Link Cable 1Mtr M/M	<b>R400/3MM</b>
Link Cable 14ft MF	<b>R400/14</b>
Link cable 25ft MF	<b>R400/25</b>

### WiMAX

For Tranzeo's WiMAX products please call the sales office.

## EnRoute MESH System



**NEW**

EnRoute-500 MESH AP	<b>ER-500</b>
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The EnRoute-500 is wireless mesh router specifically designed for outdoor applications. The dual radio EnRoute500 serves as a Wi-Fi access point with a dedicated 54 Mbps radio, an intra-network repeater and router with a dedicated 802.11a mesh enabled radio, as a backbone link to other EnRoute 500 units.

Applications includes, schools, large campus, warehouses, community WiFi, etc. Unlike point to point systems, a mesh system provides multiple backbone routes, giving a high degree of redundancy across the system.

### Wireless Fabric

Employing Tranzeo's Wireless Fabric network software, supplied with each unit. Each EnRoute 500 serves as a router and repeater, extending your network to wireless clients.

Featuring many advanced functions, such as self configuration upon power up, self healing to maintain optimal connectivity due to changes in the environment.

Prioritizes traffic with advance QoS for VoIP, video and data.

Supports secure VPN.

Supports multiple user classes with four ESSIDs.

Supports roaming clients throughout the network.

Remote management and software upgrades via Web-GUI, CLI or SNMP.

For new products and product specifications see the Minitran web site on [www.minitran.co.uk](http://www.minitran.co.uk)

**Minitran** Distributing Network Solutions

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**Distributing Network Solutions**

Minitran Ltd, have now been specialist distributors for the LAN & WAN markets for last 17 years. We offer leading brands with their innovative solutions together with our own low cost Mini5/6 range of structured cabling and active products. These well known brands include in their range trunking, fibre, voice, Ethernet switches/converters, wireless LAN, Laser WAN, wall cabinets / enclosures, test equipment, IP cameras, UPS, home networking, audio visual and more recently home automation products.

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- > Audio Visual
- > Abitana
- > IP Camera's
- > Planex Switches
- > Server Enclosures
- > Flat Pack Wall Box
- > Mini6 Structured Cabling
- > Mini5 Structured Cabling
- > Flexible Conduit
- > Hubbell Low Cost CAT6 Solution
- > Laserbit building to building WAN

**Mini Trunking**

**Mita Mini Trunking**  
Standard miniature trunking in non adhesive & self adhesive versions. Type 1 will accept a maximum of six Cat5e cables and type 2 ten cables. Supplied in 3Mtr lengths and colour white.

**Fibre Patch Cables**

**Fibre Patch Cables**  
Low cost, excellent quality fibre patch cables available in both multimode OM1 (62.5) OM2 (50/125), OM3 (50/125) and singlemode OS1 (9/125). Suitable for ST, SC, LC, MTRJ & Optiplug combinations.

**Essential Low Cost Punch Down UTP Cat5e Panels**

**Essential Low Cost Punch Down UTP Cat5e Panels**  
Low cost range of patch panels from one of the world's largest manufacturers of structured cabling systems.

**Cat6 UTP LSOH Patch Leads**

**Cat6 UTP LSOH Patch Leads**  
Low smoke zero halogen outer jacket, true CAT6 performance unlike many lower cost products from other distributors! Should be used where quality & performance is the main criteria.

**Domintell Home Automation**  
Home Automation can be described as being a technique for the management of technology in the home in order to improve the quality of life and the well being of its occupants. Once an expensive luxury, it has now become a cost effective way of controlling your home environment.