

# Clarity™ TG1501

## Fixed Wireless GSM/GPRS Terminal Trade Edition

When your business needs to run off a voice and data platform but there is no fixed line infrastructure available, you need a wireless solution that allows for the options of a normal phone, data and fax support.

Introducing the **Clarity TG1501 Fixed Wireless Terminal** from **Transense Communications**, a revolutionary GSM Terminal that provides wireless connectivity for standard telephone, fax and computer. **TG1501** has an RJ11 port where you can connect a normal analog phone or a Fax machine. You can make voice calls and send faxes, similar to a landline environment except that the transmission is over a GSM wireless network.

**Clarity TG1501** also offers GSM and GPRS packet data service with speeds up to 85.6 Kbps. In locations with mobile coverage but no fixed tele-communication services available, **TG1501** provides the remote offices with Internet and email access. Simply connect the computer to the RS232 port of the Terminal and setup a dialup session to the required service provider for data access.

**Clarity TG1501** comes equipped with TNC antenna. In rural areas where GSM reception is weak, you can replace the TNC antenna with a Yagi\* to boost the GSM signal; thus improving overall voice, data and fax performance.

\* To be purchased separately



Ultimate  
**CLARITY**  
without  
**COMPROMISE**

### Designed to meet the needs of both consumers and telephony operators

**Clarity TG1501** is tailored for office environments and business units in locations that do not have access to fixed line services or require an additional communications line. **TG1501** can be placed anywhere within the office or Small office/Home office (SoHo) environment. Besides offering voice and fax services over GSM, **TG1501** has an embedded modem enabling Internet access over the cellular network

**Transense Clarity TG1501** Wireless Terminal is designed to meet the stringent quality and reliability standards that users have come to expect from an industry-standard fixed line services, standard fixed line services.

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**transense**

The logo for Transense, featuring the word "transense" in a bold, lowercase sans-serif font. To the right of the text is a stylized graphic element consisting of several overlapping, curved lines in shades of blue and white, resembling a signal or a stylized 'S' shape.

# TECHNICAL SPECIFICATIONS

<b>Air Interface Standard</b>	Dual-Band EGSM 900 E, 1800 Phase 2/2+
<b>Transmit Power</b>	EGSM 900 : 2 watts (Class 4) GSM 1800 : 1 watt (Class 1)
<b>Antenna</b>	2dBi dual band magnetic mount
<b>Frequency Range</b> EGSM 900 Transmit EGSM 900 Receive GSM 1800 Transmit GSM 1800 Receive	880 – 915MHZ 925 – 960MHZ 1710 – 1785MHZ 1805 – 1880MHZ
<b>Interfaces</b>	One Power Supply Input One TNC Antenna Connector One RS232 Console Port One RJ11 FXS Interface One Configuration Port
<b>LED Indicators</b>	Power Supply, GSM Signal, Line Status, Device Status
<b>Power Consumption</b>	Average power < 5W
<b>Power Supply</b>	DC 12V, 0.8A, 50/60Hz
<b>Battery Backup</b> Battery Type Standby Time Talk Time	Sealed Lead Acid battery (Optional) 12-13 hrs Standby Time 3-4 hrs
<b>Environment</b> Operating Temperature Range Humidity	0 – 45°C 5% - 90%
<b>Dimensions</b>	205mm x 150mm x 40mm
<b>Weight</b>	300g

## FEATURES

The **Transense Clarity TG1501** offers:

- Abbreviated Dialing
- Call Barring
- Caller ID
- Call Forwarding
- Call Waiting
- Cell Lock
- Dynamic Echo Cancellation
- G3 Fax Support
- GSM/GPRS Packet Data Support
- Hotline
- Minute Minder
- Multi-party Conferencing
- Network Lock
- Prefix Translation
- Phone Usage LED Indication
- Phone Lock
- SIM Lock
- Signal Strength LED Indication
- TNC Antenna
- Wall Mount Installation