

# Trailblazer™ Phone Extender

A multifunctional point-to-point digital radio providing POTS, leased lines and Ethernet data up to 512 kbps.



## The Trailblazer™ Phone Extender

Delivers a digital microwave radio for low teledensity rural POTS and data service. Configurable for up to eight, 64 kbps PCM voice channels with ranges up to 32 mi/50 km or more with repeaters. Features full fax and V.90 dial-up modem or Ethernet capability. 4-wire leased line configuration also available.

### TYPICAL APPLICATIONS:

- Rural WLL Telecommunications
- Inaccessible or Environmentally Sensitive Lands
- Retrofit for Exhausted Wireline Systems
- Internet Café or Calling Centers
- Temporary & Emergency Restoration
- Video or Security Monitoring

*All Trailblazer™ models offer an unmatched set of features:*

### Flexible and Programmable

All Trailblazer™ models are bench or field programmable. Configure the bandwidth, allocate voice and data, use installation and antenna alignment aids, and diagnostic tools. All models support all Class features, fax, and V.90 dial-up modems, with DSL equivalent connectivity.

### Advantages Over Wireline

All Trailblazer™ models deliver voice, data or both using state-of-the-art digital electronics and wireless links up to 32 mi / 50 km to provide network quality without the expense of right of way costs or wireline hard costs.

### Plug and Play Simplicity & Reliability

All components, including digital radio cards, multiplexer, power supplies & CPU are fully integrated into the 3kg / 8lb waterproof enclosure that installs easily.

### Easy Installation

Terminals mount on a 1"- 2.25" pipe or pole and use an external antenna. Both ends have their own power supply and operate on 12 VDC, easily powered by solar. Programming with a GUI and your laptop completes the job.

### Rugged & Weatherproof

Terminals are housed in a NEMA 4X waterproof enclosure, built to last in tough climates. Mounts on most poles or pipes.

### No License Required, yet Private and Secure

Uses the license-exempt (in most countries) 2.4 GHz or 5.8 GHz frequency bands, while providing fully encrypted, spread-spectrum CDMA modulations for your privacy.

### Low Power Draw, Solar Powerable

Point-to-Point systems draw low power and accept any DC Voltage from 12V to 24V. Solar powering kits available with up to 7 days of backup power.



Up to 8 POTS or LL  
8 Lbs. / 3.62 kg  
13 x 11 x 6 inches  
33 x 28 x 15 cm

