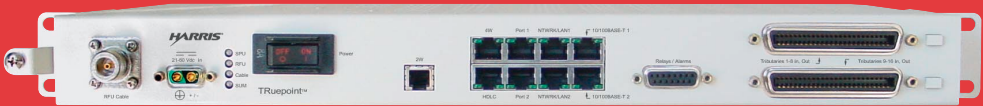# TRuepoint™ 4000

The *ideal solution* for all of today's data and voice applications

HARRIS®

Microwave

***T**elecommunications networks with easier deployment, quicker implementation and greater reach. New revenues and new growth faster than you thought possible. Breakthrough microwave technology from Harris makes it happen.*

TRuepoint™, our latest family of microwave digital radios, leads the market in technology innovation, network flexibility and the global transformation to IP.

TRuepoint 4000 is a versatile, compact split-mount digital radio delivering data and voice connectivity for cellular backhaul, enterprise, government, and public safety networks. It is optimized for efficient, flexible PDH-IP operation in next-generation wireless networks.

TRuepoint 4000 reduces cost of ownership, protects your current investment, and makes you a more agile competitor. It simplifies your entrance into new serving areas and markets through easy shifts in frequency, flexible modulation options, scalable capacity and mixed data and voice interfaces on the same radio.
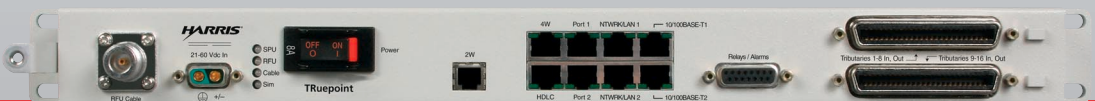
A Global Solution

TRuepoint 4000 supports all major CEPT frequency bands from 7 to 38 GHz and up to 16xE1 telephony and 2x100Base-T data interfaces. Using Harris' innovative, high-performance modem technology, it supports 4 QAM and 16 QAM modulation over a wide range of channel bandwidths—software selectable from 3.5 to 28 MHz.

Streamlined for the Market

TRuepoint 4000 provides basic low-to-medium capacity PDH access and transport. It is an easy-to-deploy, easy-to-configure, and cost-effective microwave digital radio.

- Scalable, software-selectable frequency and capacity
- Mixed interfaces, supporting both data and voice on the same radio
- Highly reliable, integrated design

Makes It Happen

- Comprehensive, integrated performance logging to view all performance, event and alarm data from anywhere on your system
- Fully compatible with existing Harris radio networks

New Levels of Cost Control

TRuepoint 4000 reduces cost of ownership in several ways.

- High MTBF, reducing the cost associated with path fading or failures
- Efficient diagnostics, minimizing downtime and manpower requirements
- Decreased rack mounting space requirements
- Low power consumption
- Reduced sparing and training requirements

Easy to Manage

TRuepoint 4000 offers highly flexible management options for network engineers. It can be used with Harris' NetBoss® enterprise network and StarView™ element management platforms. With its embedded SNMP agent, TRuepoint 4000 can also be used with any SNMP-based network or element manager for network monitoring and control.

Efficient

For convenient operation from a laptop or an optional keypad, TRuepoint 4000 offers easy-to-use HTML- and text-based craft interfaces. Maintenance personnel benefit from TRuepoint 4000's remote software download and inventory capability. Sophisticated in-service performance monitoring and built-in diagnostics assess signal quality and identify possible path and/or hardware failures.

TRuepoint 4000 Advantages

Standard features include:

- 2 to 8 E1 or 2 to 16 E1 (optional) network interfaces
- 2x100Base-T network interfaces with integrated Layer-2 Ethernet Switch
- Automatic Transmit Power Control (ATPC) facilitates coordination in high-density environments
- Software Programmable Output Power Level: local power adjustment via keypad
- Synthesized RF sources, simplified sparing
- Remote inventory management capability and software download
- Integrated performance monitoring capability

Optional features include:

- Orderwire service channel
- Keypad controller

TRuepoint 4000 supports a broad range of applications on a compact, versatile, reliable and scalable platform.

Harris' end-to-end solutions cover the complete cycle of network implementation—from planning, design and systems integration to deployment, management, training and customer service.

Learn more about us at
www.harris.com or contact us at
microwave@harris.com.

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*assured*communications™

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