

Data Wireless Remote Terminal (DWRT)

THE UTSTARCOM DATA WIRELESS REMOTE TERMINAL (DWRT) ENABLES WIRELESS DATA SERVICE IN A PERSONAL ACCESS SYSTEM (PAS) NETWORK



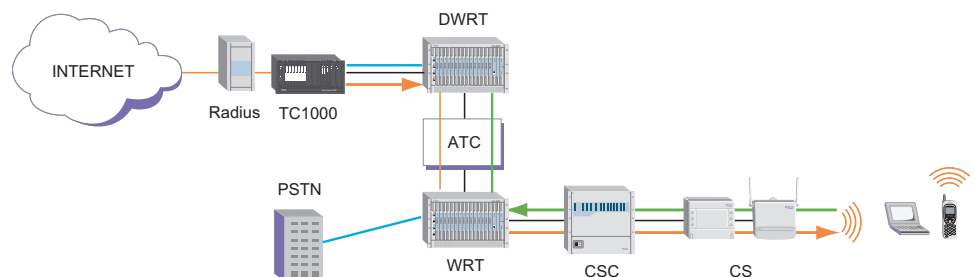
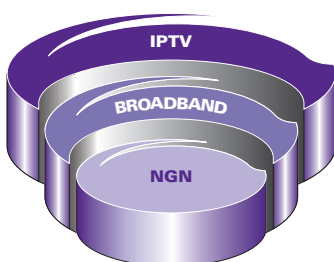
- **64 KBPS DATA CONNECTIVITY**
- **SINGLE SHELF CAN SUPPORT 60 E1 CONNECTIONS FOR 900 SIMULTANEOUS DATA CALLS**
- **BASED ON PROVEN PLATFORM**
- **BILLING AND SUBSCRIBER MANAGEMENT**

The UTStarcom DWRT is a key component of a Personal Access System (PAS) network when high-speed wireless data connectivity is desired. The DWRT provides up to 60 E1 interfaces connecting the Air Traffic Controller (ATC) and providing a bridge to the Remote Access Server (RAS) to deliver data traffic to the Internet via the PIAFS (PHS Internet Access Forum Standard) bypassing the local exchange.

PAS offers both voice and data connectivity for subscribers within the coverage area of the system. The data connectivity offers basic Internet connectivity for any subscriber application at data rates of up to 64kbps. In comparison tests, this 64kbps data rate delivers approximately 3 times the data rate of traditional 56k dial up data, as a result of having far lower signaling overhead compared to analog modems. In a PAS environment, the Wireless Access system operates with any local exchange switch or PBX. As a result of this, it is not possible to send PIAFS encoded data through the host switch, as the data stream would not pass through a switch that was not designed to handle it. The DWRT, working in conjunction with the ATC and WRT maintains the integrity of the data connection through the system. This approach has the added advantage of having data calls bypass the local exchange voice switch, which may not be engineered for long data call holding times.

COMPATIBLE WITH EXISTING RADIUS AND BILLING SYSTEMS

The DWRT connects to UTStarcom Total Control 1000 which operates in the network as a Remote Access Server (RAS), therefore, any billing or subscriber management associated with existing dial up internet access can be used to manage PAS data calls. The DWRT connects to the Total Control 1000 over E1 PRI and to the ATC over E1.



Technical Specifications



CAPACITY

Each Shelf 60 E1 total for 900 simultaneous connections

HARDWARE

SYSTEM CHASSIS

Dimensions	310mm x 483mm x 414mm (H x W x D) 19 inch rack mountable (7U)
Temperature	0°to 55°C (operating)
Power	-42 to -56V DC, 70W
Rack Capacity	Up to 8 ETM modules
Humidity	5 to 95% non-condensing
Altitude	Up to 3300 m
Compliance	FCC Part 15 Class A

INTERFACE

Physical Layer	E1 G.703, 2.048mbps
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STANDARDS / PROTOCOLS SUPPORTED

G.703
Q.931 ISDN PRI
PIAFS

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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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