

Digital Radio

The AgiLink Advantage



AgiLink Digital Radio System is another new creation by Agilis Communication Technologies (ACT). With its advanced capabilities and features, AgiLink will be the choice solution to meet voice and data transmission requirements in the most cost-effective way.

Consisting of an Outdoor (ODU), an Indoor Unit (IDU), and a single coaxial cable for the ODU-IDU interconnection, the Agilink system is ideally suited for networks operated by personal communication and cellular service providers, utilities, public telephone operators, local governments and private users.

One Rack Space High IDU

The one rack space high IDU provides enhanced features in less space while retaining compatibility with previous models. The IDU is common to all AgiLink frequency bands. It contains all the baseband electronics including line interfaces, digital multiplexing, modulation and frequency generation, alarms and diagnostics, service channel and network management interfaces.

The 16-button keypad with backlit LCD provides easy access to major parameters such as transmit power, Received Signal Level (RSL), and operating frequency, via a single key.

Implementation flexibility is provided through the use of a wide-input power supply (20-60 VDC). The IDU requires no fan for cooling, further simplifying implementation and improving reliability.

At application frequencies, the IDU offers switchable modulation between 2-FSK and 4-FSK, providing the user with the flexibility of backward compatibility with existing equipment.

Advanced Software

Downloadable software allows firmware enhancements to be made without the need for hardware changes. Enhanced software commands provide the capability to display transmit frequency in MHz, fade margin in dB, and output power and RSL in dBm. A user configurable RSL alarm allows notification of a decrease in RSL to a predetermined point, e.g., approaching threshold. Software commands allow users to automatically calculate link fade margins.

Ease Of Installation

AgiLink's installation is the simplest and easiest in the market. No tuning is required during installation. Only the azimuth and elevation need to be set and all these adjustments are performed with a simple voltmeter.

Network Management

The Monitor & Control (M&C) architecture allow easy connections to the AgiLink NMS platform or the user's existing NMS platform. In addition, the systems can be configured with dial up over a standard telephone line to send a message containing site ID and alarm information to a user's network operations center.

For more information, circle 115 or contact Nixon Ng at 5687410 or email: nixonn@agilis.st.com.sg