MDS MASTER STATION SERIES PRODUCT OVERVIEW

The Redundant, Full-Duplex MDS Master Station Series offers the ultimate in reliability and simplicity for ease of configuration and operation. The MDS Master Station Series is the price/performance leader of licensed microwave radios in the 330-512 MHz and 800-960 MHz frequency range. It gives increased throughput and longer-range alternatives for our customers’ Multiple Address Systems needs. Transparent and direct asynchronous communication offer real-time communication. No extra software or programming is needed to implement communications from standard asynchronous protocols.

The MDS Master Station Series may operate as a full duplex, half-duplex or simplex radio and is configurable as a redundant master station or remote radio. When operating as a master station it controls all network parameters of the remotes. The MDS 4790 and MDS 4710 or the MDS 9790 and MDS 9710 remote transceivers together offer a new level of ease of integration, reliability and performance for our customers’ data network systems.

MDS P20 PRODUCT OVERVIEW

The MDS P20 incorporates two MDS transceivers and power supplies with automatic or manual switch-over capability. On detection of a failure, the MDS P20 switches immediately to the standby transceiver. The switch-over occurs for selectable transceiver alarm conditions. Switch-over also occurs when no valid packets are received in a programmable time-frame of 1 to 30 minutes, or upon loss of power to the operating radio. An internal back-up battery is provided in AC-powered models for continued operation during a loss of primary power.

The MDS P20 Redundant Station is easily maintained with standard MDS transceivers that are field-replaceable. The MDS P20 is packaged in a low-profile (2U) metal case that may be placed on a tabletop or rack mounted.

WHY CONSIDER AN MDS MASTER STATION SERIES SOLUTION?

High system performance and data integrity! Through robust construction and digital signal processing technology (DSP) we offer up to 19.2 Kbps data throughput.

Reliability! For mission critical needs, system back-up capability is built-in.

Rapid Installation! Quick return on investment due to ease of wireless installation. This licensed radio offers the ability to communicate with any asynchronous protocol without extra software or extra programming.

Performance under the most adverse conditions! Exceptional design provides excellent performance in the face of interference or difficult signal paths. Will accept external bypass high performance duplexers or receive filters.

Network Wide Diagnostics! MDS InSite™ Network Management software simplifies tasks and reduces the cost of managing the network infrastructure. Provides a non-intrusive means of maintenance and link monitoring.

MDS Master Station Series

MDS 4790 Master Station Transceiver 330-512 MHz
MDS 9790 Master Station Transceiver 800-960 MHz
MDS P20 Redundant Station DSP Radio Chassis

FEATURES

MDS 4790/9790
- Digital signal processing (DSP) engine
- Software configurable modems
- Modular design with swappable power supply

P20
- Increased reliability
- Uses two std. MDS transceivers
- Automatic switchover to redundant transceiver
- Indicator shows active transceiver
- Internal back-up for AC-powered models

Applications
- SCADA telemetry systems
- Multiple address communications
- Gas/oil production and distribution
- Water, gas and electric utilities
- Lotteries
- Traffic control
- Industrial process control
- Railroad communication systems

GE Digital Energy
MDS
GE MDS products are manufactured under a quality system certified to ISO 9001. GE MDS reserves the right to make changes to specifications of products described in this data sheet at any time without notice and without obligation to notify any person of such changes.

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