Note: Photographs of the prototype. Color and layout may change.

S-COM 7110e-MTR2K Repeater Controller

The S-COM Repeater Controller legacy continues. The 7110e-MTR2K is a single port repeater controller designed to plug directly into a *Motorola MTR2000 Option Slot*. (A standalone version of this controller is also in development.) This controller is a completely new ground-up design effort with a planned long life. This design takes advantage of the latest technologies and external interfaces (Ethernet and USB).

The Ethernet connection provides a number of remote access features. There is a ser2net-compatible RS232 interface for remote configuration of the MTR2000 via RSS. A Telnet service is available for remote configuration of the 7110e-MTR2K controller. And, there's a web page interface for status and control.

An I/O board provides external Logic In, Logic Out, A2D and other I/O's from the rear panel.

Features --

Hardware Compatiblity
- MTR2000 Option Slot-Compatible
- Plugs into Option Slot #1 or #2
- Set Audio Levels Using Motorola RSS

Configuration Access
- Telnet to 7110e-MTR2K
- USB Mini-B Serial Console to 7110-MTR2K
- ser2net to MTR2000 RSS

External Connections
- GPS Active Antenna Connector
- USB Mini-B Serial Console Connector
- Ethernet 10/100 Full Duplex
- RS-232 to MTR2000 RSS (ser2net-compatible)
- Rear Panel I/O board (Planned)

GPS Receiver
- Optional Field Installable u-blox M8
- Factory Installed ST Teseo LIV4
- Provides Time-of-Day and 1 PPS Timing

Other Hardware Features
- Non-volatile Configuration Storage
- GPS Active Antenna Powered by the controller
- Status LEDs
  - Ethernet
    - Green: Connection Speed
    - Yellow: Activity
  - Power: Green
  - Heartbeat: Flashing Green
  - Receive Status
    - Signal Strength: Off/Yellow/Green/Red
  - PTT: Red
  - Network Status
  - GPS Link State: Off/Receiving/Sync'ed

Repeater Features
- Path Programming (Access, Courtesy, Timeout, ID, Tail)
- Speech and Tone Generators With Level Adjust
- Large Speech Library and User Speech Storage
- CTCSS Encoder and Decoder
- DTMF Decoder
- Configurable Audio Delay
- Time-of-Day Scheduler
- Configurable Security
- Macros
- Real-Time Clock With GPS or NTP Synchronization
- Local and Remote Console
- Web Page Status and Control
- Legendary S-COM Quality and Reliability

Availability
- Coming SOON!

Pricing
- TBD

Note: Specifications subject to change before product introduction and release.

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