Remote Monitor and Control Panel for SSPA’s, BUCs & Transceivers

Remote M&C Panel

Features

- Programmable for a variety of Satcom applications
- Front panel display of key operating parameters
- 1RU height
- Interface for remote monitoring and controlling of systems via RS485 or Ethernet
- Field programmable firmware via RS232 port (RJ11 front panel) or Ethernet
- Redundant Power supplies

Overview

In the Advantech Wireless redundant SSPA systems, the internal controller in each SSPA unit performs the role of redundancy control. The family of Remote Control Panels is provided as accessories for remote monitoring and manual control of the system parameters. A variety of operating options are available to cover a multitude of systems.

All redundancy functionality resides in SSPAs or BUCs, not in this panel. This remote control panel is used for the control and display of operational parameters of the monitored system, mimicking position of the redundancy switches.

The front panel LED and Display provide full access to the operating parameters of the system being monitored and provides with capability of changing the operating parameters. The rear panel of the units holds all external communications connectors including parallel discrete interface (DP9 F), RS485 Slave – RS485DCE (DB9 F), RS485 DTE (DB9 M), optional Ethernet and two AC connectors (85 – 264 VAC).

Options

- Ethernet interface via RJ45, with SNMP 3.1, TELNET and Web Interface

Accessories

- RS485/RS232/USB Adapter Kit
- 30 feet RS485 COM cable
- 300 feet RS485 COM cable

Specifications are subject to change without notice.
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Figure 1: Front and Back Panels

Operating options
Programmable for a variety of applications:

- Single thread systems (SSPA, SSPB, Transceivers Systems)
- 1:1 Redundant SSPA system
- 1:1 Redundant SSPB (BUC) system.
- 1:2 Redundant SSPA system
- 1:2 Redundant SSPB (BUC) system.
- 1:1 Transceiver system
- Frequency Converter Systems
- Phase combined systems
- Remote control of additional waveguide switches

General Specifications

Rear Panel Connectors

<table>
<thead>
<tr>
<th>Parallel I/O port</th>
<th>DB9 (female)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS485 (slave) DCE</td>
<td>DB9 (female)</td>
</tr>
<tr>
<td>RS485 (DTE)</td>
<td>DB9 (male)</td>
</tr>
<tr>
<td>Ethernet port</td>
<td>RJ45</td>
</tr>
<tr>
<td>AC (two)</td>
<td>IEC320 inlet</td>
</tr>
</tbody>
</table>

Mechanical
Dimensions 19” rackmount, 12” deep, 1U height (483x305x45 mm)

AC voltage
90 to 265 VAC 47 – 65 Hz

Power Consumption
20W

Environmental
Operating temperature 0°C - 55°C
Humidity 5% -95% non-condensing

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