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 nits 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).

The Serial RS485 Slave Interface is used for the connection to a Network Management System (NMS) or to a PC. The M&C panel will be the slave and the NMS (or PC) will be the master in this configuration.

The Keypad is used to navigate through the various menus provided by the alpha-numeric display.

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

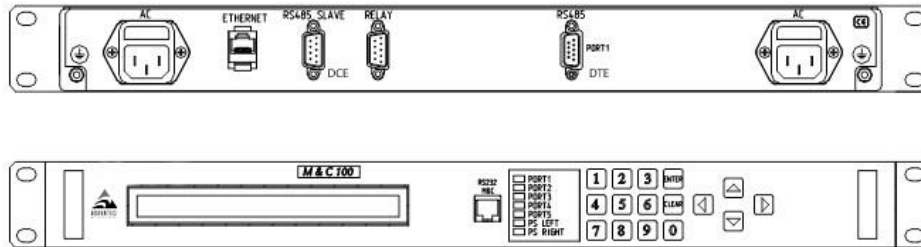# Remote Monitor and Control Panel
for SSPA's, BUCs & Transceivers

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 aditional waveguide switches

General Specifications

Rear Panel Connectors
Parallel I/O port   DB9 (female)
RS485 (slave) DCE   DB9 (female)
RS485 (DTE)   DB9 (male)
Ethernet port   RJ45
AC (two)   IEC320 inlet

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

Ref.: PB-RCP200-001-18348