



Remote Control Unit M&C GaN SSPA/BUC Systems Outdoor

REMOTE MONITORING & CONTROL UNIT FOR THE NEW GENERATION OF GaN BUCs/SSPAs

Using universal protocols, the unit **remotely monitors and controls redundant and phased combine SSPAs/BUCs configurations** for outdoor operation

CONFIGURABILITY

Field configurable for managing and controlling a **variety of redundancy applications: 2:1, 1:1 & 1:0 and 1+1 phase combination.**

OPERATIVITY

Full remote M&C capability of BUCs/SSPAs and switches configured in the system through **TCP/IP web interface embedded in the RCU.**

Advanced packaging to operate in the toughest environments.

Accessible by the user to replace.

COMMUNICATION PROTOCOL

Communication with the system by **USB (local interface)**, RS485 (4 wire or 2 wire) serial ports or Ethernet sockets with two ports, by default 7001 and 8001.

REDUNDANT SUPPLY

Dual internal power supply working in redundancy maintain RCU performance when one power supply fails.



KEY FEATURES

- * Management of redundant configurations (1:1, 2:1)
- * Management of phased combination (1+1)
- * Management of standalone units
- * RS485, USB & Ethernet interfaces
- * Embedded secure web interface
- * Fault & alarms interfaces
- * Redundant power supply
- * Compact design
- * Weatherproof
- * Outdoor operation

**OTHER FEATURES**

- * Simple operation & maintenance
- * Periodic firmware upgrades

OPTIONS

- * UPC-Uplink power control
- * SNMP protocol
- * Slave control unit (indoor)

LOCAL INTERFACES**Controls**

Local / Remote
 Manual / Automatic
 Channel selection
 Waveguide switches
 RF Inhibit Enable / Disable
 User attenuation
 SSPA external On / Off
 Mute TX On / Off
 Set alarm thresholds
 Fault reset

Status LED

Manual
 Auto
 Alarm
 Fault
Local / Remote monitoring
 Presence
 Fault State
 Mute TX On / Off
 Forward State

REMOTE INTERFACES**Communication**

RS485 ASCII Command under proprietary packet format
 USB (type A) ASCII Command under proprietary packet format
 ETH (RJ45) ASCII Command under proprietary packet format
 Web interface
 SNMP interface (optional)

M&C

Form-C contacts (RCU) Summary Fault
 Summary Alarm
 Global On / Off
 Global mute

Supply

AC line (2 inputs) 3-pin MIL Circular

RF*

RF input SMA (f)
 RF output SMA (f) (qty 2)
 RF input user sample SMA (f)
 RF output user samples (FWD, REV) - SMA (f) (qty 2)
 RF DIFF user sample SMA (f)

**Only for 1+1 phased combination*

OPERATING CONFIGURATIONS

1:1 systems 1:1 redundant SSPAs/BUCs
 2:1 systems 2:1 redundant SSPAs/BUCs
 1+1 systems 1+1 phased combine
 Standalone unit SSPA/BUC (up to 3 standalone units)

ENVIRONMENTAL

Dimensions (L x W x H) 404 x 220 x 151 mm
 Weight 11,5 kg
 Supply 180-305 VAC, 47-63 Hz
 Operating temperature -30 °C to +55 °C
 Storage temperature -40 °C to +85 °C

TTI CONTACT

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NOTICE

Information contained in this document is subject to change without notice