



Remote Control Unit

M&C GaN SSPA/BUC/UC Systems

Outdoor

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

Using universal protocols, the unit **remotely monitors and controls redundant and phased combine SSPAs/BUCs/UCs 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/UCs 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 phase combined*

OPERATING CONFIGURATIONS

- 1:1 systems 1:1 redundant SSPAs/BUCs/UCs
- 2:1 systems 2:1 redundant SSPAs/BUCs/UCs
- 1+1 systems 1+1 phase combined
- Standalone unit SSPA/BUC/UC (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