



Remote Control Unit

M&C GaN SSPA/BUC/UC Systems

Indoor

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

Using universal protocols, the unit **remotely monitors and controls redundant SSPAs/BUCs/UCs configurations** for indoor operation

CONFIGURABILITY

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

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.**

Front **panel touch screen** offers quick and user-friendly local operation displaying live performance indicators in the **LCD.**

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 standalone units
- * User-friendly touch panel LCD for local control
- * RS485, USB & Ethernet interfaces
- * Embedded secure web interface
- * Fault & alarms interfaces
- * Redundant power supply
- * Rack mounting (2RU height)
- * Indoor or outdoor operation

**OTHER FEATURES**

- * Simple operation & maintenance
- * Periodic firmware upgrades

OPTIONS

- * UPC-Uplink power control
- * SNMP protocol

LOCAL INTERFACES

| Controls | Status display | Status LEDs |
|-----------------------------|---------------------------|------------------|
| Local / Remote | Alarms | Power On |
| Manual / Automatic | Summary fault | Alarms |
| Channel selection | Over temperature fault | Summary Fault |
| Waveguide switches | Local oscillator fault | PSU Alarm |
| RF inhibit enable / disable | Monitoring | Local / Remote |
| User attenuation | Mute TX On / Off | Monitoring |
| SSPA external On / Off | SSPA external On / Off | Presence |
| Mute TX On / Off | RF output power (IN, Rev) | Fault State |
| Set alarm thresholds | Temperature | Mute TX On / Off |
| Fault reset | | 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

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

Supply

| | |
|--------------------|--------------|
| AC line (2 inputs) | IEC320 inlet |
|--------------------|--------------|

OPERATING CONFIGURATIONS

| | |
|-----------------|------------------------------|
| 1:1 Systems | 1:1 redundant SSPAs/BUCs/UCs |
| 2:1 Systems | 2:1 redundant SSPAs/BUCs/UCs |
| Standalone unit | SSPA/BUC/UC |

ENVIRONMENTAL

| | |
|------------------------|--|
| Dimensions (W x H x D) | 483 x 88 x 305 mm - 19" rackmount, 12" deep, 2U height |
| Weight | 3.5 kg |
| Supply | 90-264 VAC, 50-60 Hz |
| Operating temperature | 0 °C to +55 °C |
| Storage temperature | -40 °C to +85 °C |
| Humidity | 10-95 % Non-Condensing |

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NOTICE

Information contained in this document is subject to change without notice