

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 up to 8/4/3 SSPAs/BUCs/Up converters and 4/6 switches with a **variety of redundancy applications**: 2:1, 1:1 & 1:0 or a phase combined system.

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 selectable, between two ports for raw sockets, by default 7001 and 8001 and one ssh port, by default 122.

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 phase combined system
- * Management of standalone units
- * RS485, USB & Ethernet interfaces
- * Embedded secure web interface
- * Fault & alarms interfaces
- * Redundant power supply
- * Compact design
- * Weatherproof
- * Outdoor system

OTHER FEATURES

- * Simple operation & maintenance
- * Periodic firmware upgrades
- * SNMP protocol

OPTIONS

- * UPC-Uplink power control

Local interfaces

CONTROLS		STATUS LED
Local / Remote		Manual
Manual / Automatic		Auto
Channel selection		Alarm
Waveguide switches		Fault
RF Inhibit Enable / Disable	LOCAL / REMOTE MONITORING	
User attenuation		Presence
SSPA external On / Off		Fault State
Mute TX On / Off		Mute TX On / Off
Set alarm thresholds		Forward State
Fault reset		

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

Operating configurations

1:1 systems	1:1 redundant SSPAs/BUCs/UCs
2:1 systems	2:1 redundant SSPAs/BUCs/UCs
Phase combined systems	
Standard	up to 3 SSPAs
Hyper	up to 4 SSPAs
Ultra	up to 8 SSPAs
Standalone unit	SSPA/BUC/UC

Environmental

Dimensions (L x W x H)	360 x 286 x 64 mm
Weight	8 kg
Supply	90-264 VAC, 47-63 Hz
Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C