

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 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.**

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 phase combined system
- * 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 system



OTHER FEATURES

- * Simple operation & maintenance
- * Long-term support

OPTIONS

- * UPC-Uplink power control
- * Antenna switch

Local interfaces

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

M&C

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

SUPPLY

AC line (2 inputs)	IEC320 inlet
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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 (W x H x D)

Standard	483 x 88 x 305 mm - 19" rackmount, 12" deep, 2U height
Hyper/Ultra	483 x 132 x 305 mm - 19" rackmount, 12" deep, 3U height

Weight

Standard	4.7 kg
Hyper/Ultra	7 kg

Supply 85-264 VAC, 47-63 Hz

Operating temperature 0 °C to +55 °C

Storage temperature -40 °C to +85 °C

Humidity 10-95 % Non-Condensing