

Main Features

- Support 5G technology, 2x2MIMO, 400MHz bandwidth
- Modular design, hot swappable, easy installation
- Independent gain control and filtering for each channel
- Low-noise and high reliability
- Broad frequency range
- Natural heat dissipation
- 2 channels individual to support MIMO for same band
- Support up to 8 carriers selective, with bandwidth 40/50/60/70/80/90/100MHz for the carries 1-4 and bandwidth 20/25/30/40MHz for carries 5-8



Electrical Specifications

		Uplink	Downlink
Frequency	n78 (2x2 MIMO)	3300 - 3700 MHz	3300 - 3700 MHz
RF Output Power		-5 ± 2 dBm	46 ± 1 dBm
Gain		58 ± 2 dB	58 ± 2 dB
Gain Control Range		25 dB/1 dB step	25 dB/1 dB step
ALC control		When in max output power, if increased 20dB input Level, the variation of the output power can be controlled within 2dB	When in max output power, if increased 10dB input Level, the variation of the output power can be controlled within 2dB
Ripple in Band		≤ 4 dB (Single LPA)	≤ 4 dB (Single LPA)
		≤ ±3 dB (System of 1x PBMU: HPRU via 1m optical fiber)	≤ ±3 dB (System of 1x PBMU: HPRU via 1m optical fiber)
Intermodulation & Spurious Emissions		Meets 3GPP TS 38.106 for NR	
Noise figure		≤ 3.5 dB (Single LPA)	---
		≤ 6 dB (System of 1x PBMU: HPRU via 1m optical fiber)	---
Group Delay		≤ 1 μS	≤ 6 μS
EVM (256QAM)		≤ 3.5%	≤ 3.5%
VSWR		≤ 1.8:1	---
Impedance		50 Ω	50 Ω
Power Supply & Current		DC -48V±10%	
Power Consumption		≤ 550 W	

Environmental Specifications

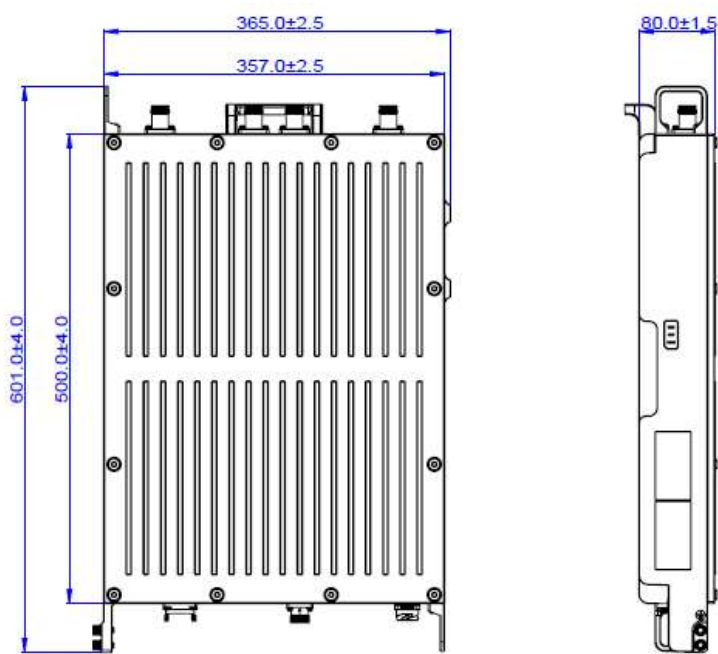
Operating temperature range	-40°C to +55°C
Storage temperature range	-40°C to +85°C
Relative humidity	5% - 98%
Applications	IP67
Local Control	PC via RS485

Mechanical Specifications

Dimensions		357 x 500 x 80 mm (Without handles, connectors, and brackets)
Weight		≤ 20 kg
Power Connector		1 x integrated socket with power supply and communication pins
RF Connectors Type	Output to ANT	4 x 4.3-10 female (ANT1: SISO_L; ANT2: MIMO_L; ANT3: SISO_H; ANT4: MIMO H)*
	Input from MCU	1 x L32
Installation		Wall/Pole

Note 1: * L means low frequency range 3300-3500MHz, H means high frequency range 3500-3700MHz.

Outline Drawing



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