

TECHNICAL SPECIFICATION

Triple Band Low Power 4G 5G Repeater



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Triple Band Low Power

4G 5G Repeater



C20M-B1B3N78

Product Features:

- Adaptive 5G base station SSB ARFCN and time slot ratio, fast and accurate synchronization,
- MGC, manual control of output gain with 1dB step in the range of 31dB,
- Automatic shutdown function,
- Idle turn-off function, when there is no user in the coverage area, the device enters the sleep mode to reduce interference to the base station.

Technical Specification:

Item		Uplink	Downlink
Frequency	Band 1	1920 ~ 1940 MHz	2110 ~ 2130MHz
	Band 3	1735.3 ~ 1754.7 MHz	1830.3 ~ 1849.7 MHz
	NR 78	3600 ~ 3700 MHz	3600 ~ 3700 MHz
Gain	Band 1, 3	65±2 dB	70±2 dB
	NR 78	70±2 dB	70±2 dB
Output power	Band 1, 3	17±2 dBm	17±2 dBm
	NR 78	20±2 dBm	20±2 dBm
VSWR		≤2 dB	≤2 dB
Manual gain control range (MGC)		1~31 dB , Step of 1 dB	1~31 dB , Step of 1 dB
Automatic gain control range (AGC)		≥42 dB	≥42 dB
Max input power without damage		-10 dBm	-10 dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
ACLR	BW _{channel}	≥30 dB	≥30 dB
	2×BW _{channel}	≥30 dB	≥30 dB
Error vector magnitude (EVM)		LTE≤8% RMS, NR≤3.5% RMS	
Noise figure		≤8 dB	
Time delay		≤1 us	
TDD synchronization		Adaptive synchronization	
Repeater Type		Analogue	
Power supply		AC 90 ~264V 50/63Hz	
Power consumption		≤45 W	
RF connector		N-Female	
Protect grade		IP40	
Environment temperature		-10℃ ~ 55℃	
Environment humidity		≤95%	
Size		250*250*50mm	
Weight		<3.5kg	

Note: The specification might be adjusted, please reconfirm the final specification before order confirmed.