

TECHNICAL SPECIFICATION

Quand Band Low Power 4G 5G Repeater



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Quand Band Low Power

4G 5G Repeater



C20S-B1B3N40N78

Product Features:

- Aluminum alloy shell, beautifully designed.
- OLED display of operating figures.
- Support 2 FDD LTE & 2 TDD 5G bands.
- Intelligent design, supporting automatic shutdown and isolation detection and uplink sleep functions.
- Adaptive 5G base station SSB ARFCN and time slot ratio, fast and accurate synchronization.

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 40	2300 ~ 2400 MHz	2300 ~ 2400 MHz
	NR 78	3600 ~ 3700 MHz	3600 ~ 3700 MHz
Gain	Band 1, 3	65±2 dB	70±2 dB
	NR 40, 78	70±2 dB	70±2 dB
Output power	Band 1, 3	17±2 dBm	17±2 dBm
	NR 40, 78	20±2 dBm	20±2 dBm
VSWR		≤2 dB	≤2 dB
Manual gain control range		1~31 dB , Step of 1 dB	1~31 dB , Step of 1 dB
Automatic gain control range		≥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		≤60 W	
RF connector		N-Female	
Protect grade		IP40	
Environment temperature		-10℃ ~ 55℃	
Environment humidity		≤95%	
Size		360*268*59mm	
Weight		<4.5 kg	

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