

# TECHNICAL SPECIFICATION

## Triple Band Middle Power 4G 5G Repeater



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Mike

Mr.Ji

Hugo

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Address: No. 88 Qixin Road, NETDA, Nantong, Jiangsu, P.R. China, 226009

Tel: +86 513 8010 0986 | E-mail: [sales@zttgroup.com](mailto:sales@zttgroup.com) | Website: [www.zttgroup.com](http://www.zttgroup.com)

## Triple Band Middle Power

### 4G 5G Repeater



### C30S-B1B3N78

### Product Features:

- Aluminum alloy shell, beautifully designed.
- OLED display of operating figures.
- Support 2 FDD LTE & 1 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 78                   | 3600 ~ 3700 MHz          | 3600 ~ 3700 MHz        |
| Gain                           | Band 1, 3               | 75±3 dB                  | 80±3 dB                |
|                                | NR 78                   | 80±3 dB                  | 80±3 dB                |
| Output power                   | Band 1, 3               | 20±2 dBm                 | 27±2 dBm               |
|                                | NR 78                   | 23±2 dBm                 | 30±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 rang    |                         | ≥50 dB                   | ≥50 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 <sub>channel</sub>   | ≥35 dB                   | ≥38 dB                 |
|                                | 2×BW <sub>channel</sub> | ≥40 dB                   | ≥45 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              |                         | ≤120 W                   |                        |
| RF connector                   |                         | N-Female                 |                        |
| Protect grade                  |                         | IP40                     |                        |
| Environment temperature        |                         | -10℃ ~ 55℃               |                        |
| Environment humidity           |                         | ≤95%                     |                        |
| Size                           |                         | 360*268*120mm            |                        |
| Weight                         |                         | <8.5 kg                  |                        |

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