

Specifications

General

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|-----------------------|---|
| Frequency Range | VHF: 136-174MHz UHF1: 400-470MHz UHF3: 350-400MHz UHF2: 450-520MHz |
| Channel Capacity | 128 |
| Channel Space | 12.5 /20/25KHz |
| Dimensions(H*W*D) | 44*483*375mm |
| Weight | 7.6Kg |
| LCD | 1.8 inch TFT LCD 128x160 pixels,262Kcolors |
| Operating Voltage | DC 13.6V±15% AC 100 - 240VA |
| Current Drain | <1A(Standby) <6A(Transmit@25W) <10A(Transmit@50W) |
| Frequency Stability | 0.5ppm |
| Continuous duty Cycle | 100% |

Transmitter

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|---------------------------------|--|
| Frequency Stability | 0.5ppm |
| RF Max. Power Output | High Power Model: 45/50W Low Power Model: 25W |
| Digital Modulation | 7K60FXD(Data Only) 7K60FXW(Data and Voice) |
| FM Modulation | 16K ∅ F3E@25KHz / 14K ∅ F3E@20KHz 11K ∅ F3E@12.5KHz |
| 4FSK Modulation Accuracy | 5% |
| 4FSK BER | 0% |
| 4FSK and Magnitude Error | 5%/1% |
| Adjacent Channel Power | 70dB@25/20KHz / 60dB@12.5KHz |
| Conducted and Radiated Emission | -36dBm <1GHz / -30dBm >1GHz |
| Transmission Deviation limits | 5KHz@25KHz / 4KHz@20KHz /2.5KHz@12.5KHz |
| Audio Distortion | 3% |
| Hum and Noise | 48dB@25KHz / 46dB@20KHz 43dB@12.5KHz |
| Audio Response | +1 ~ -3dB |

Receiver

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|---|---|
| Digital Sensitivity | -120dBm / BER 5% -116dBm / BER 1% |
| Digital Dynamic Faded Sensitivity (100KM/H& 8KM/H Rayleigh Fading) | -104dBm |
| Analog Sensitivity | -120dBm / 12dB SINAD |
| Intermodulation | 75dB (TIA603) / 70dB(ETSI) |
| Blocking | 95dB (TIA603 & ETSI) |
| Spurious Response Rejection | 75dB (TIA603 & ETSI) |
| Adjacent Channel Selectivity | 75dB@25 KHz (TIA603) 70dB@25 KHz (ETSI) 70dB@20KHz (TIA603 & ETSI) 65dB@12.5KHz (TIA603) 60dB@12.5 KHz (ETSI) |
| Conducted Spurious Emission | -57dBm |
| Rated Audio Power Output | 1W (16Ω Load) |
| Rated Audio Distortion | 3% |
| Hum and Noise | 48dB @25KHz / 46dB@ 20KHz 43dB@12.5KHz |
| Audio Response | +1 ~ -3dB |
| Digital Vocoder Type | AMBE++ |
| Digital Protocol | ETSI-TS102 361 -1, -2,-3,-4 |

Reliability

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|--------------------------------------|--|
| Operating Temperature | -30 ~ +60 C |
| Storage Temperature | -40 ~ +85 C |
| Shock&Vibration | MIL-STD-810 C/D/E/F/G Standard |
| ESD | IEC 61000-4-2(level 4) ±8KV(Contact) , ±15KV(Air) |
| Surge Immunity Test (EN 6100-4-5) | Differential Mode:6KV Common Mode:6KV |



EXCERA
Innovate to Succeed

DMR Basestation Repeater ER9000

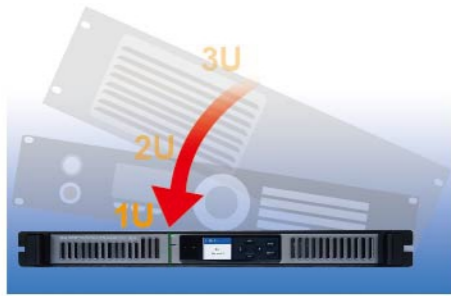
- ◆ 19 Inches, 1U Cabinet Size Design with Power Supply Inside
- ◆ 100% Continuous Duty Cycle with 50W High Power Output
- ◆ DMRA AIS Application Successful Solution
- ◆ Upgrade to DMR Trunking and Simulcast Basestation Transceiver



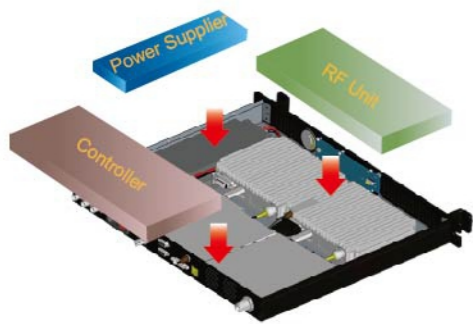
SHENZHEN EXCERA TECHNOLOGY CO.,LTD.
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Advantage Features

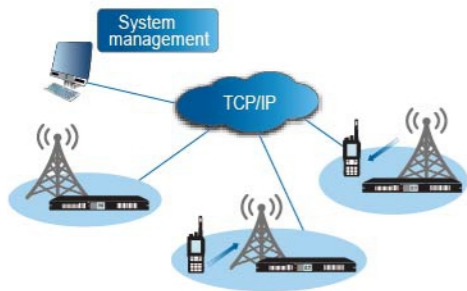
19 inches, 1U standard cabinet size design with power supply inside.



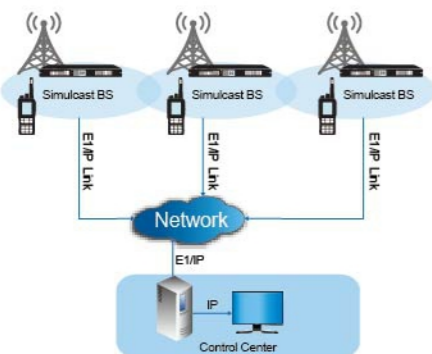
100000hours MTBF performance based on military modular design with high reliability.



Supports multi-site IP connection allowing wide area coverage and cross bands communication.(30 Sites)



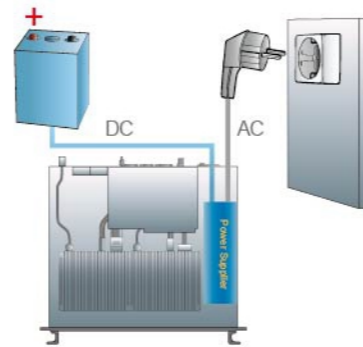
Can be upgraded to DMR Tier II simulcast basestation transceiver by software license.



Unique 100% duty cycle at 50W high power output in 1U cabinet.



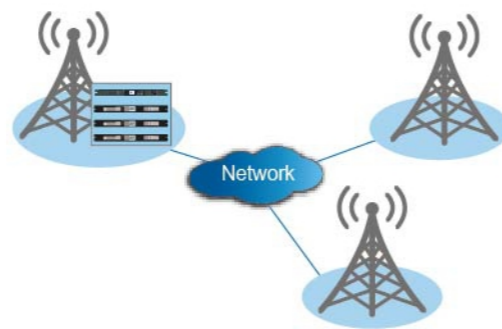
Supports AC/DC power supply and switches to the backup battery automatically when AC power is interrupted with the built-in float circuit design.



Supports remote diagnosis, maintenance and software upgrade.



Can be upgraded to Excera Easy Trunk basestation transceiver or DMR Tier III basestation transceiver by software license.



Advantage Features

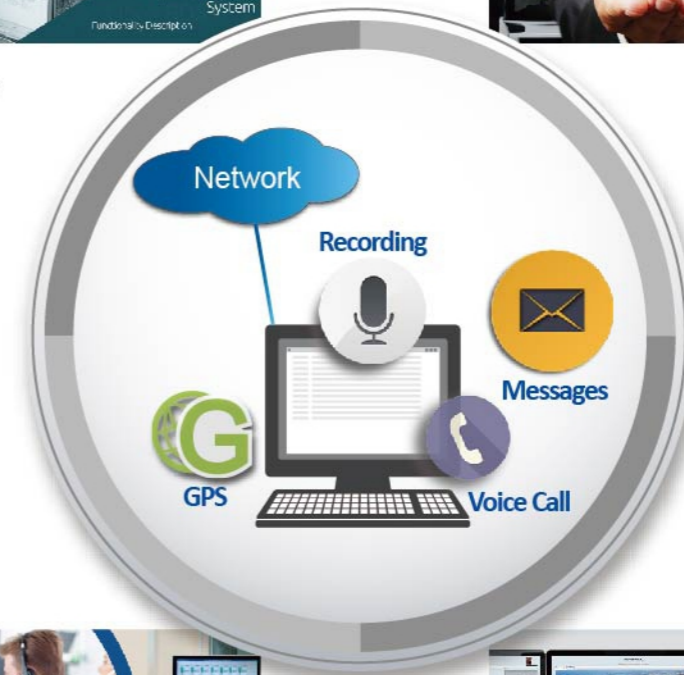
DMRA AIS Application Solutions and Partners.



<http://www.nowatel.com/>



<http://www.safemobile.com>








<http://www.awcsl.com>



<http://omnitronicsworld.com>

Accessories

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|---|---|---|---|---|
|  |  |  |  |  |
| Duplexer EDU001/ EDU002/ EDU003 | AC Power Cable EPWCDZ01 | Power Cord EPWCAZ01 | Programming Cable EPC03 | Fuse EACC001 |

Excera retains right to change the products design and specification without prior notice. Parts supply for the market is different, please contact the local dealer. Promotional photos are for reference only. All products as per the material subjects.