



Hytera DMR Trunking Cube Base Station

- Flexible Deployment
- All-in-one Solution
- Software-defined Radio Technology
- Eco-friendly Design





Overview

Everything about the Hytera DMR Tier III Trunking Cube Base Station is designed with fast deployment and operation simplicity in mind – a highly integrated solution, just power on the base station to start delivering communications. Quick and flexible to deploy, the device can be mounted indoors or outdoors, ensuring swift positioning to provide business or mission critical communications. With Multicarrier and Software -defined Radio (SDR) technologies, one base station is expandable to 8 carriers and all frequencies and carrier capacity can be customized. What's more, it boasts innovative eco-friendly design with low power consumption due to advanced technology like DPD.

Highlights



Flexible Deployment

The Hytera Trunking Cube Base Station features fast deployment. Our installation options are available to match your communication scenarios: wall-mounted for indoor coverage, pole-mounted for outdoor coverage, vehicle-mounted for emergency situations and box-mounted for temporary operation.

Save time and cost in installation and associated space required, unleashing the potential of Tier III trunking in any environment.





All in One

Based on multicarrier technology, the Hytera Trunking Cube Base Station is highly integrated and is able to be powered on to work upon arrival, saving you time and money on installation and deployment.



SDR (Software-defined Radio)

SDR ensures the base station is easy control and offers smooth expansion options. Within the same hardware platform you can control carrier capacity (1 to 8), managing its frequencies (within 5M) via the software controller, delivering a flexible userfriendly system.



Large Coverage

The Trunking Cube Base Station can provide excellent coverage. It supports diversity receiving and can be directly mounted on antenna masts, buildings and towers, reducing feeder loss.



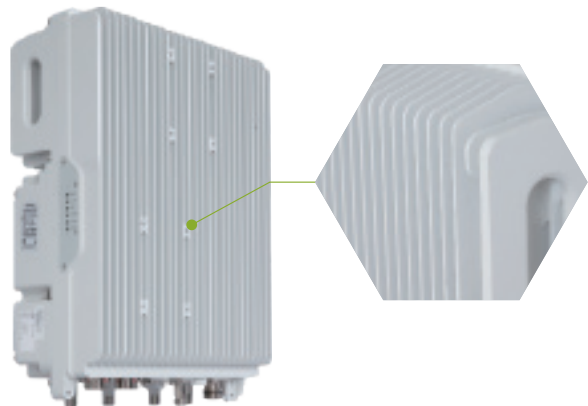
High Spectrum Efficiency

Based on multicarrier technology, channel spacing is more than 50 KHz instead of the traditional 25 KHz plus. What's more, it can work in DMR trunking simulcast mode which means all base stations implemented in a single network can adopt the same frequencies.



Eco-friendly Design

The highly integrated components ensure power consumption is less than 550W supported with the eye-catching blade heat sink design to guarantee good heat dissipation.



Specifications

General	
Protocol	DMR Tier 3
Frequency	350-370MHz; 400-470MHz(Customized)
Carrier Capacity	1 - 8
Transmission	Dual optical fiber port
Time Synchronization	GPS/ Beidou/ IEEE 1588 V2
Channel Spacing	≥50kHz
Duplex Spacing	10 MHz
Power Supply	DC 48V / AC 220V with external adapter
Power Consumption	≤550W
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5 % to 95 %
Atmospheric Pressure	70 kPa to 106 kPa
Protection Class	IP65
Wind Resistant	200Km/h
Lightning Protection	Power supply port: 20KA
Weight	<23Kg
Dimensions	435×340×157.5mm ³
MTBF	≥100,000h

Receiver	
Static Sensitivity	-122dBm@BER5%
Co-channel Rejection	≥-12 dB
Adjacent Channel Rejection	≥ 60 dB
Intermodulation Response Rejection	≥ 70 dB
Blocking	≥ 84 dB
Spurious Response Rejection	≥ 70 dB
Spurious Emission	9.00KHz to 1.00GHz : ≤-57dBm@100KHz
	1.00GHz to 12.75GHz : ≤-47dBm@1MHz

Transmitter	
Output Power per Carrier (Antenna Port)	2CH≤50W
	4CH≤25W
	6CH≤10W
	8CH≤10W
Frequency Deviation	≤3%
Occupied Bandwidth	≤ 8.5 kHz
Frequency Stability	±0.5×10 ⁻⁶
Intermodulation Attenuation	≤ -70dB
Spurious Emission	9.00KHz to 1.00GHz : ≤-36dBm@100KHz
	1.00GHz to 12.75GHz : ≤-30dBm@1MHz

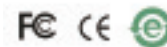
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Hytera Communications Corporation Limited

Address: Hytera Communications (UK) Co. Ltd.

Hytera House, 939 Yeovil Road, Slough, Berkshire. SL1 4NH, UK.

Tel: +44 (0) 1753 826 120 **Fax:** +44 (0) 1753 826 121

www.hytera.co.uk info@hytera.co.uk