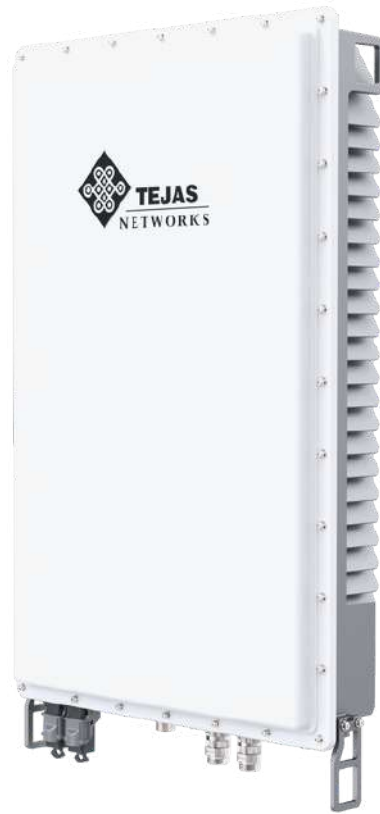


WavePlexus MMU

n78 32T32R



Tejas WavePlexus MMU is a Massive MIMO high-performance, carrier-grade 5G NR radio designed for Frequency Range 1 (FR1), supporting the n78 band. It is based on 3GPP Rel-15 standards upgradable to Rel-16. The unit adheres to ORAN-defined open interfaces with Split Option 7.2 Type-B, ensuring seamless interoperability with ORAN-compliant DU and CU.

WavePlexus MMU features a 32T32R MIMO configuration with conducted power upto 320W to deliver expected EIRP across multiple radio waves with various power and band combinations.

WavePlexus MMU enables advanced beamforming and spatial multiplexing, significantly improving throughput, spectral efficiency, and overall user experience.

Its compact, rugged and energy efficient design ensures readiness for field deployments. Its open, standards-based design supports scalable, cost-effective, and future-ready 5G network rollouts in multi-vendor environments.

Features

- ✓ Ready to deploy field proven system
- ⚡ Enhanced EIRP for Optimized Deployment
- 🔗 Interoperable RU eliminating vendor lock-in
- 📶 Compact and Rugged Outdoor Design

Key Specifications

Operating Band	n78 – 3300 MHz to 3800 MHz
Bandwidth	Up to 100 MHz (5G NR)
IBW / OBW	400 MHz / 200 MHz
Transmit Power/ EIRP	170W, 200W, 320W; Upto 77 dBm
Number of Transceivers	32T32R
Antenna Type	Upto 192AE
Number of Component Carriers	Upto 2 CC
Number of MIMO Streams	DL: 8 layers/16 layers; UL: 4 layers/8 layers
Beamforming	Predefined-beam beamforming; Weight-based dynamic beamforming
Modulation Scheme (DL/UL)	QPSK, 16QAM, 64QAM, 256QAM
Front Haul Interface	2 x SFP28/QSFP28 (eCPRI)
Mounting	Tower, Wall and Pole Mount
IP Classification	IP65

Environmental

Operating Temperature	-40°C to +55°C
Relative Humidity	2% to 100%
Input Voltage	-40V to -60V

Frequency Band	WavePlexus MMU Model	Total Conducted Power
3400 MHz-3800 MHz	TRNA7832170	170W
3400 MHz-3800 MHz	TRNA7832320	200W
3300 MHz-3670 MHz	TRNB7832320	320W

