

# Macro Cell

## ALL G RADIO NETWORK ACCESS

Tecore Networks Macro Cell radio - in our line of Radio Access Products - is our most popular radio access node solution for User Equipment (UEs) connecting to a wireless macro network. The Macro Cell supports up to 2x2 MIMO for 5G and LTE. Furthermore it also supports legacy technology in UMTS, and GSM, while integrating seamlessly with any core network. This integration provides a complete network solution for commercial, government, military, and emergency response applications.

Tecore's Macro Cell addresses these requirements by providing scalable bandwidth options, enhanced modulation techniques, and MIMO; allowing for more energy per bit and more bits per hertz. These enhanced techniques translate into a better quality of service, higher bit rates for packet data-intensive applications, an evolution path for existing 2G and 3G networks, as well as greenfield 4G LTE/5G network deployments.



## Macro Cell Capabilities

### Feature Capabilities

- Integrated Digital Pre-Distortion (DPD)
- Integrated Crest Factor Reduction (CFR)
- Integrated alarm and fault management including forward power, VSWR, and operating status.
- 3GPP Rel. 15+ Compliant

Hardware	
Dimensions	11.6" H x 7.9" W x 6.0" D 29.46 x 20.07 x 15.24 cm
Weight	20.86lbs / 9.46kg
Power Consumption	200W typical
MIMO	2x2
RF Output Power	40W (20W per port)
Radio Access Technology	2G/3G/4G/5G
Multi-Radio Access Technology	Yes
i/Q Connectivity	CPRI
Management Interface	Local Gigabit Ethernet
RET Control AISG V2.0	No

Tecore Networks is a global supplier of 2G, 3G, 4G, and 5G wireless network infrastructure. Tecore is a trusted provider to the commercial, government, and military markets with an established track record of performance and evolution driven by its innovative software-defined approach. Since 1991, Tecore has been committed to providing innovative, reliable, and scalable wireless infrastructure solutions. Tecore's solutions include core as well as radio access network infrastructure, supported by state-of-the-art professional services.