

Product Excellence



Features and Benefits

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

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.

Meta Cell (4xX)

All G Radio Network Access

Tecore Networks Meta Cell radio is our highest power and largest RRH solution, ideal for large-scale outdoor macro network deployments. The Meta Cell supports 2G/3G/4G/5G networks and can be manufactured in different 3GPP bands and supports up to 4x4 MIMO or dual-cell operation in 2x2 MIMO cells or 4x1 SISO cells at up to 40W (46dBm) per port operation. This integrates seamlessly with any core network and provides a complete network solution for commercial, government, military, and emergency response applications.

The Meta Cell provides 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.

Specifications	
Dimension	14.6 x 14.6 x 6 in 37.0 x 37.0 x 15.0 cm
Weight	45.0 lbs 20.4 kg
Power consumption (Typical)	500 watts
MIMO	4T4R
RF output power	160W (40W per port)
Radio Access Technology	2G / 3G / 4G / 5G
Multi Radio Access Technology	Yes
i/Q Connectivity	CPRI or 10 GbE
Management Interface	Local Gigabit Ethernet
RET Control AISG V2.0	Yes

