SAMSUNG

Samsung Massive MIMO Radio

C-band, CBRS Dual-band 16T16R Massive MIMO Radio

Samsung's CBRS 16T16R Massive MIMO Radio provides C-band/CBRS full band, ORAN, AC/DC.

Model Code	MT1602d-48A(DC) MT1602d-48B(AC)



Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

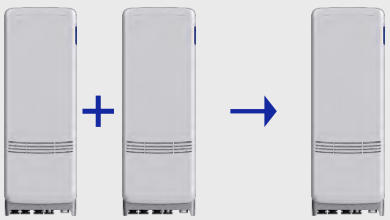
Points of Differentiation

Wide Mid-band TDD

C-band & CBRS Dual-band TDD Radio can be supported by Samsung internal silicon which supports wide-band TDD design.

This wideband radio offers the ability to be used as a standalone C-Band radio or C-Band +CBRS mode when operators use channels in the CBRS band in addition to C-Band.

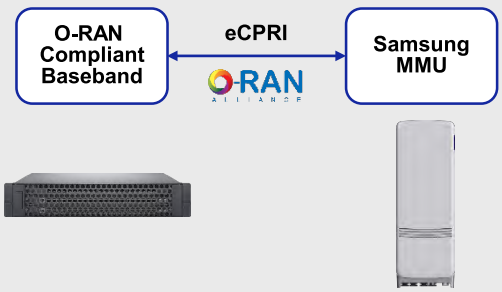
※ FCC waiver is on-going



O-RAN Compliant

A standardized O-RAN Radio supports implementing cost-effective networks capable of enhanced data throughput without compromising existing or new network investments.

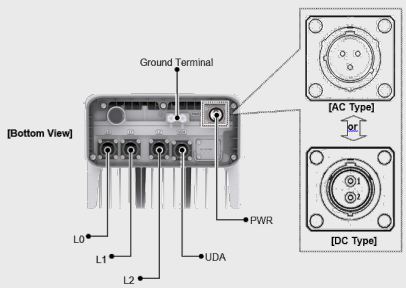
Samsung O-RAN state-of-the-art O-RAN technology will accelerate efforts towards creating a solid O-RAN ecosystem.



Flexible Installation Structure

C-band & CBRS Dual-band MMU support both AC and DC power supply for hybrid urban site environments.

The Dual-band Radio is backwards compatible in terms of installation and thus minimizing concerns related to site hardware, etc.



Compact and Eco Friendly Design

New 16T16R MMU is compact in it's design with a volume of 20.5L and weighing only about 32lbs.

It is a product that is easy to install on poles and walls.



Technical Specifications

Item	Specification
Tech	NR
Band	n48, n77 / TDD
Frequency Band	n48 : 3,550 – 3,700 MHz, n77 : 3700 – 3,980MHz
RF Power	90W (n48 + n77 : 7.5W + 82.5W, n77 only : 90W)
IBW/OBW	350MHz (n48 : 150MHz, n77 : 200MHz) / 280MHz (n48 : 80MHz, n77 : 200MHz)
Installation	Pole, Wall
Size/ Weight	[Radio] 8.66 × 22.95 × 6.3inch, 20.5L, 30.9lbs(DC), 32.0lbs(AC) [Bracket Weight] Tilting & Swivel: EP97-02038A 5.5lbs Fixed: EP97-02037A 2.9lbs