

RADIO 4412

The macro Radio 4412 is a 4T/4R radio with 4x20W output power and has best in class design when it comes to radio performance and power efficiency for wide area 3GPP radio products. Radio 4412 is part of the Ericsson Radio System portfolio.

It supports a number of vertical mounting scenarios and provides great flexibility with the one-bolt installation and the Ericsson Rail system.

With Radio 4412 Ericsson evolves the macro radio part of the portfolio to become even more flexible and making it easier than ever to make small and efficient single and multi-band macro radio installations.

The Radio 4412 should preferably be located near the antenna and can by use of the versatile optical CPRI interface be connected to any of the efficient Ericsson Baseband LTE modules by use of star or cascade configuration. Towards the antenna system Radio 4412 provides support for AISG RET.

LTE TDD mode is supported with up to 60 MHz LTE carriers. Four duplex (Tx/Rx) branches provide in-built support for MIMO and Tx diversity as well as RX diversity.



Optional installation equipment for wall and pole mount is available. To support AC installations there will be optional Power Supply Units (PSU). Optional external monitor ports for selected bands provide measurements of the output power.



Technical specification for Radio 4412

FREQUENCY BANDS

Bands: 3GPP TDD bands B40, B40T and B41

HW CAPACITY

Carrier capacity GSM: -
Carrier capacity WCDMA: -
Carrier capacity LTE: Up to 60 MHz
IBW TDD: Up to 60 MHz
MIMO: Yes, 4T4R
Output power: Up to 4 x 20 W

INTERFACE SPECIFICATIONS

Antenna ports: 4 x 4.3-10 (f)
External Antenna Line Device: RET 2.0, using DIN 8 or over the antenna port. AISG RET support
CPRI: 2 x 2.5/4.9/9.8 Gbps (exchangeable SFP modules)
Optical indicators: 3
Field ground: Dual lug

MECHANICAL SPECIFICATIONS

Weight: 12 kg
Volume: 10.3 liter
Mounting: Rail, wall and pole mount

ELECTRICAL SPECIFICATIONS

Power Supply: -48 VDC (2-wire)

ENVIRONMENTAL SPECIFICATIONS

Normal operating temp.: -40 °C to +55 °C (cold start at -40 °C)
Environment: Outdoor class with IP65