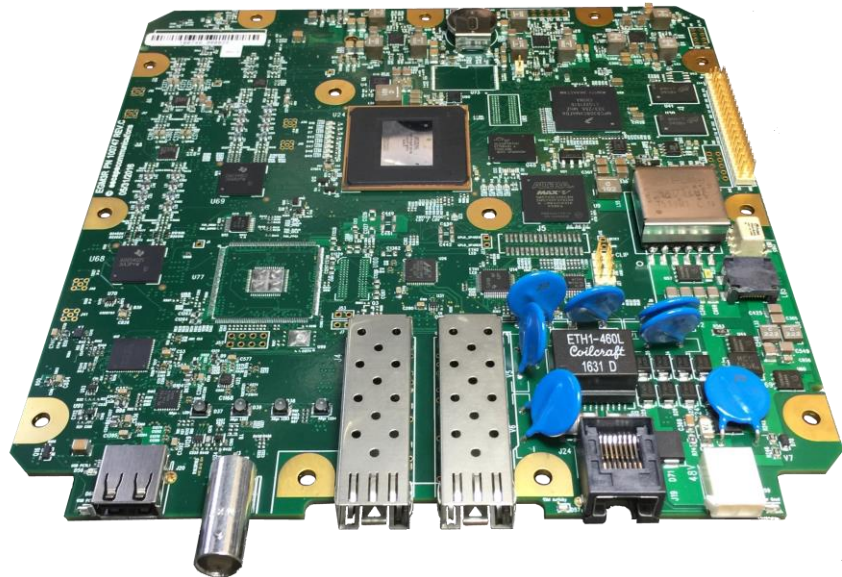


Value Proposition

- All-digital software-defined modem
- 3 Gbps full-duplex data rate
- Compatible with ETSI 500 MHz channel spacing
- Fast product time-to-market when paired with plug-and-play RF module and housing

Applications

- E-band and V-band wireless point-to-point
- Large-cell and small-cell backhaul
- Private networks and campus connectivity
- Fiber extensions and replacements
- High-definition video surveillance and monitoring
- Triple-play (voice, data and video) transmission
- Government and campus building interconnection
- Critical infrastructure protection
- Public safety applications



All-Digital 3 Gbps 500 MHz Modem Module

Escape Communications' ESM-5008 is a high-capacity, all-digital modem module specifically designed for compatibility with the European 500 MHz channel allocations for the 60, 70, and 80 GHz mm-wave E-band and V-band markets.

The ESM-5008 provides up to 3 Gbps full-duplex data links using 256QAM modulation in a 500 MHz ETSI channel. The ESM-5008 includes a powerful microprocessor, power-over-Ethernet and GbE, 2.5 GbE, and 10 GbE customer interfaces, and analog I/Q baseband interfaces to RF electronics.

Assembling a complete point-to-point mm-wave radio is as simple as pairing the ESM-5008a modem module with a mm-wave transceiver and a waterproof enclosure.

Features

High data throughput to 3 Gbps full duplex

1.0, 2.5, and 10 Gigabit Ethernet customer interfaces (copper and optical)

Meets ETSI 500 MHz channel spacing

Configurable QPSK thru 256QAM modulation with Adaptive Coding and Modulation (ACM)

Configurable FEC and fully synthesized transmit waveform

Layer-2 switch supporting

- In-band terminal management for 1.0 and 2.5 Gigabit Ethernet modes
- Jumbo frame support
- IEEE 1588v2 (TC) and Sync-E

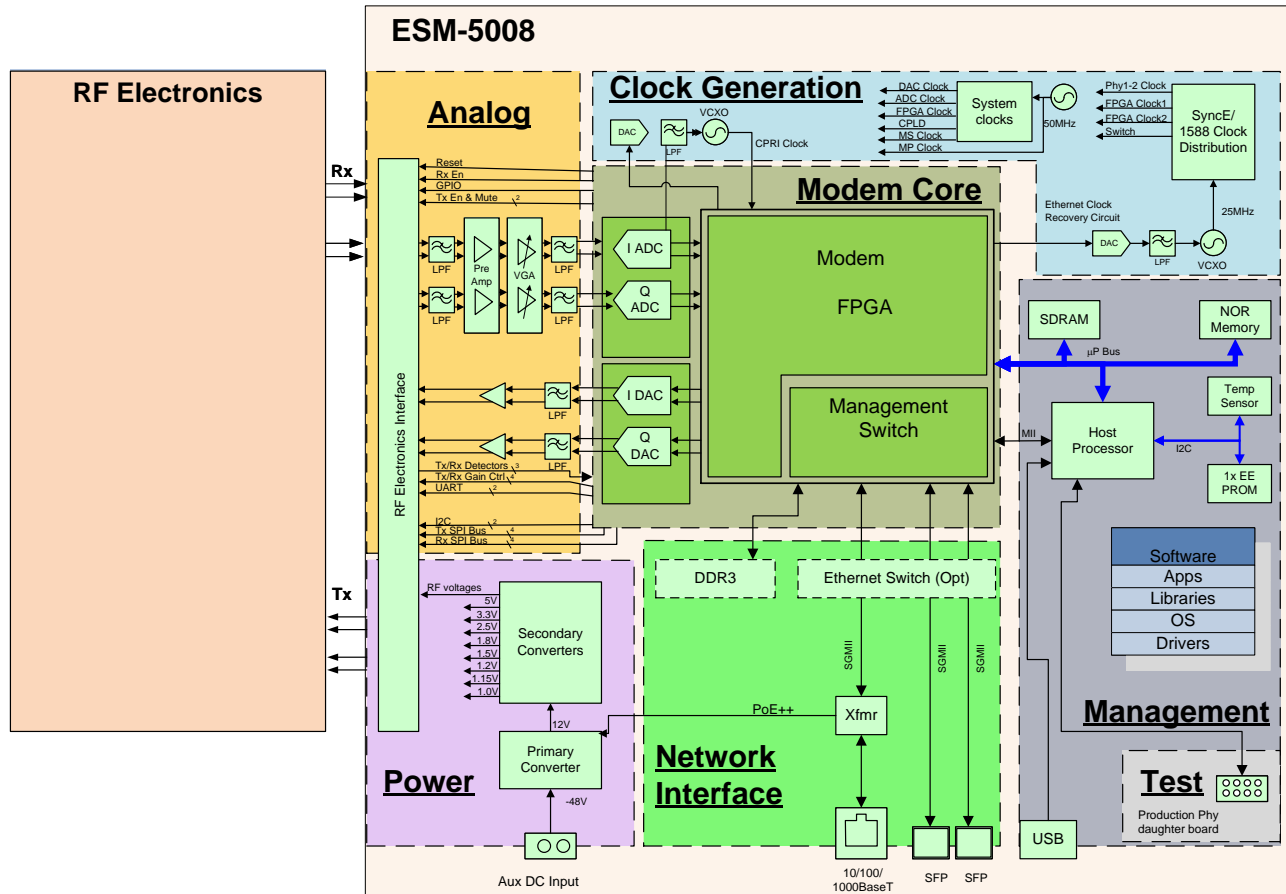
HTTP web GUI, telnet and SNMP for network management and control

802.11at Power over Ethernet (PoE+)

7 inch x 7 inch board designed for outdoor environment use

Available with RF for a fully functional kit to accelerate time to market

All-Digital 3 Gbps 500 MHz Modem Module



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