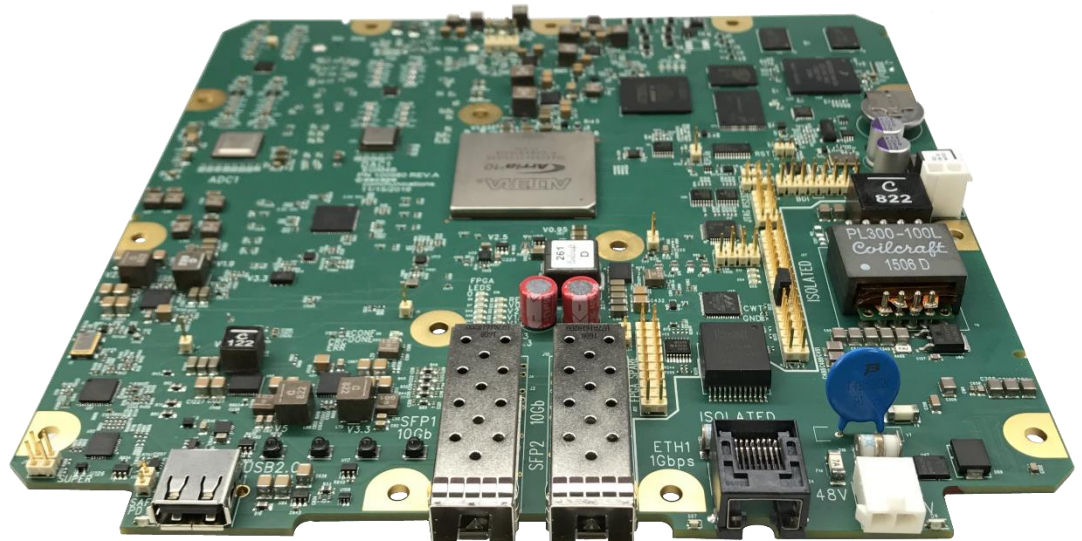


Value Proposition

- All-digital software defined modem
- 10 Gbps full-duplex data rate
- 2 GHz channel spacing for 60, 70, and 80 GHz mm-wave bands
- Fast product time-to-market when paired with plug-and-play RF module and housing

Applications

- V-band and E-band wireless point-to-point communications
- 5G, LTE, WiMAX and HSDPA+ wireless backhaul
- Large-cell and small-cell backhaul
- Private networks and campus connectivity
- Fiber extensions and replacements
- Triple-play (voice, data and video) transmission
- Government and campus building interconnection
- Critical infrastructure protection
- Public safety applications



All-Digital 10Gbps Modem for mmW Radios

Escape Communications' ESM-20008 is a high-capacity modem module that supports 10 Gbps bidirectional full-duplex backhaul applications. The modem operates using a 2 GHz bandwidth targeting the 60, 70, and 80 GHz mm-wave V- and E-band markets operating with 256-QAM, adaptive coding & modulation, frequency and time synchronization (SyncE, IEEE 1588v2). The ESM-20008 module includes a powerful microprocessor, power supply 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-20008 modem module with a mm-wave transceiver and a weather-tight enclosure.

See our kit offering to get started today!

Features

High data throughput to 10 Gbps full duplex

10GE and 1GE SFP+ network interfaces

Analog I/Q baseband interface to RF transceiver

SyncE and 1588v2 (PTP)

2 GHz Channel

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

Configurable FEC and fully synthesized transmit waveform

7.875 inch x 7.875 inch board designed for outdoor environment use

Paired RF transceivers available from partners as a product kit

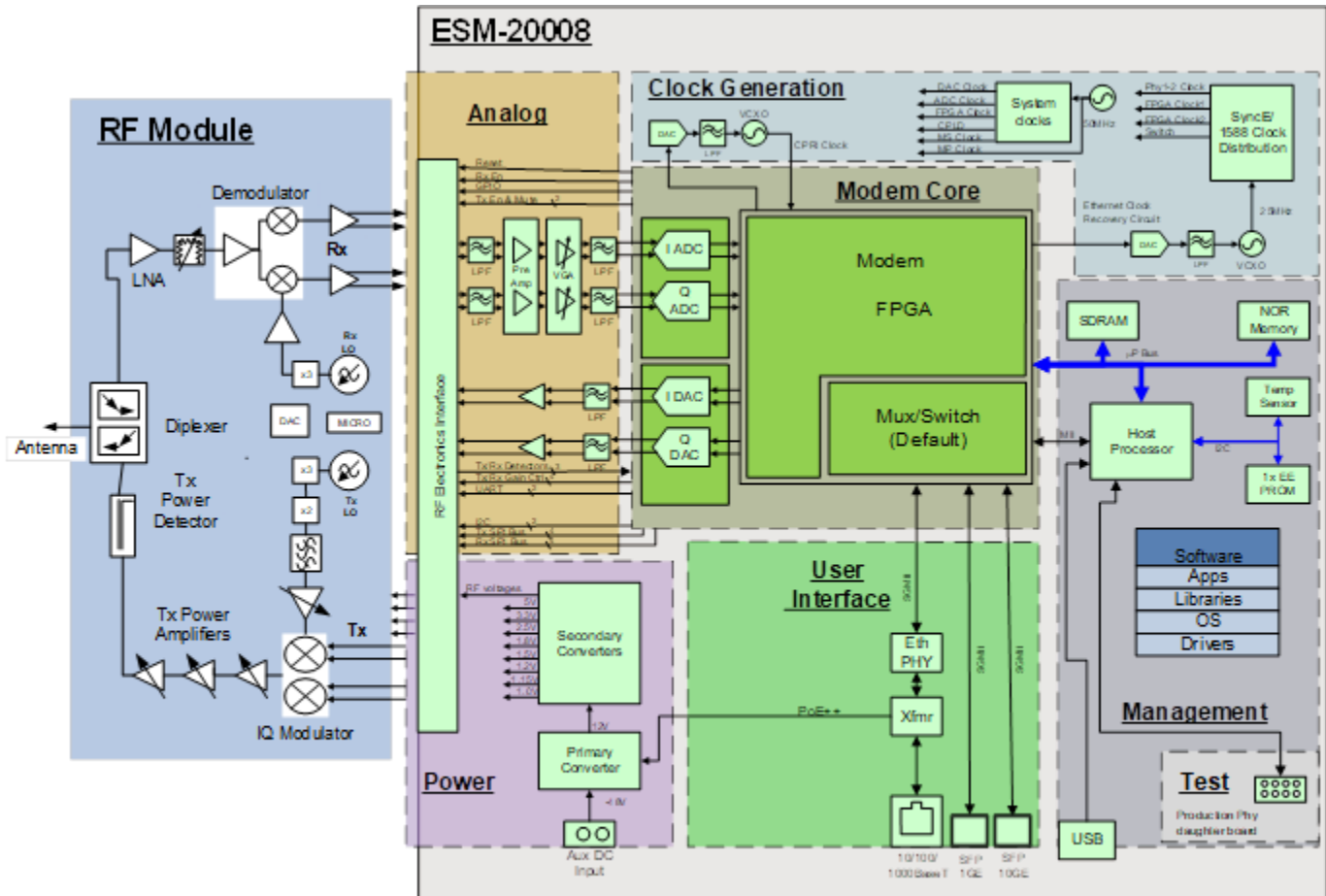
RSSI LEDs for alignment

Power-over-Ethernet (POE++)

-45 to +60 deg C

Control and status over web page, Telnet/SSH, and SNMP

All-Digital 10Gbps Modem Module



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