



Alico Systems Capabilities

Alico Systems Inc

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Areas of Expertise

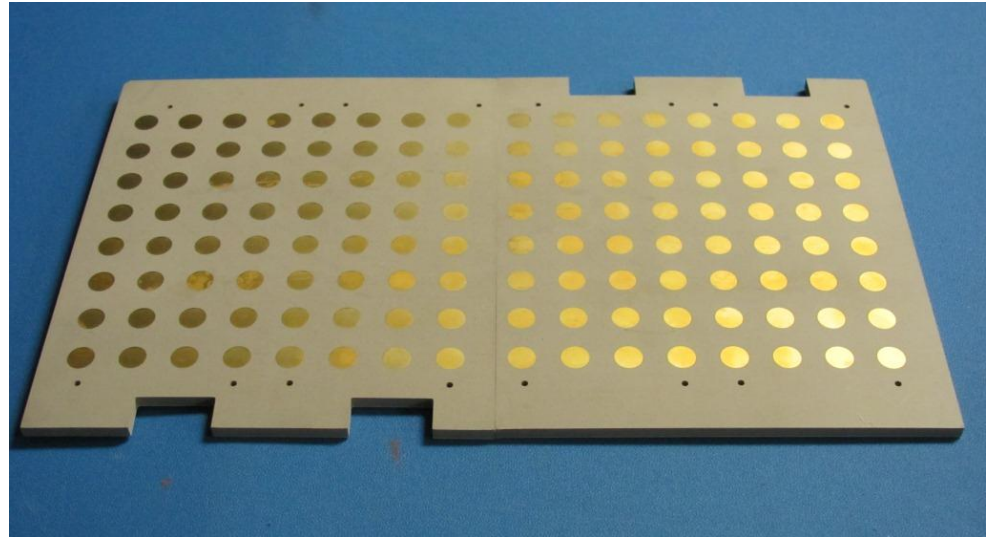
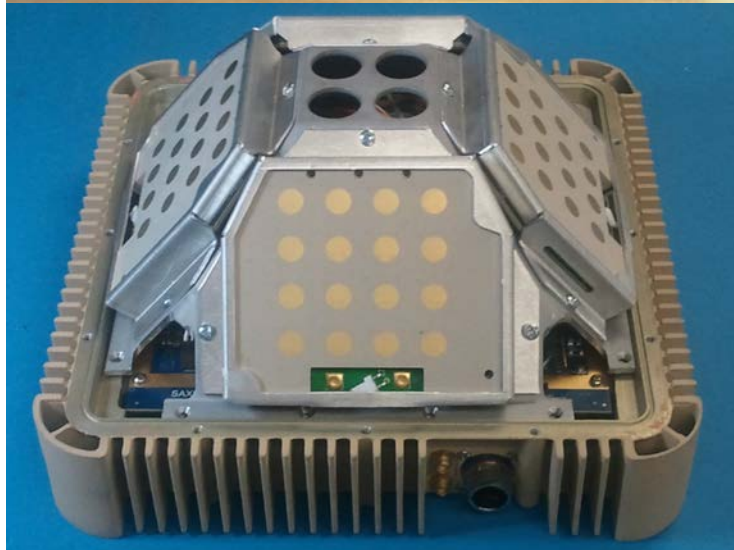
- Integrated Satellite Phased Array Terminals,
- Point to Point or Point to Multi-point radios
- Antenna design
 - ◆ Low cost planar active phased arrays
 - X-band
 - Ka-band
 - Ku-band
 - ◆ Integrated active components, filters, diplexers
 - ◆ Two dimensional beamsteering
- RF Transceiver Design
 - ◆ Synthesized Up/Down converters, RF to/from IF
 - ◆ Software defined radio front end
 - ◆ L-band or digital modem interface
- Digital antenna control
 - ◆ Electronic beam steering
- Attitude and heading Reference System
 - ◆ Integrated motion sensors, gyro, accelerometer, magnetometer, GPS
 - ◆ Control firmware including Kalman filters

Integrated Terminal Antennas



INTEGRATED SATELLITE TERMINAL

- X-band, Ka-band, Ku-band phased arrays
- Full hemispheric beam steering
 - 0-90 El, 0-360 Az
- Integrated active & passive components, LNA, PA, Filters
- Integrated antenna, RF transceiver, modem & power supply

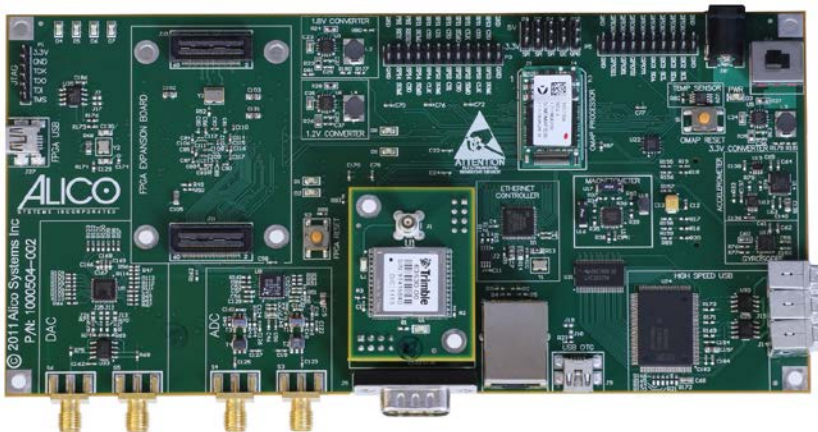


RF Transceiver & Digital Sensor Controller



RF TRANSCEIVER & CONTROLLER

- Dual channel X-band synthesized down converter
- Single channel synthesized up converter
- Beacon receiver
- L-band or digital modem interface
- Digital microprocessor and FPGA controller



ALICO SENSOR DEVELOPMENT KIT

- 3-axis gyro, accelerometer, magnetometer, GPS
- OMAP- μ P/FPGA
- Linux platform
- Alico commercial product