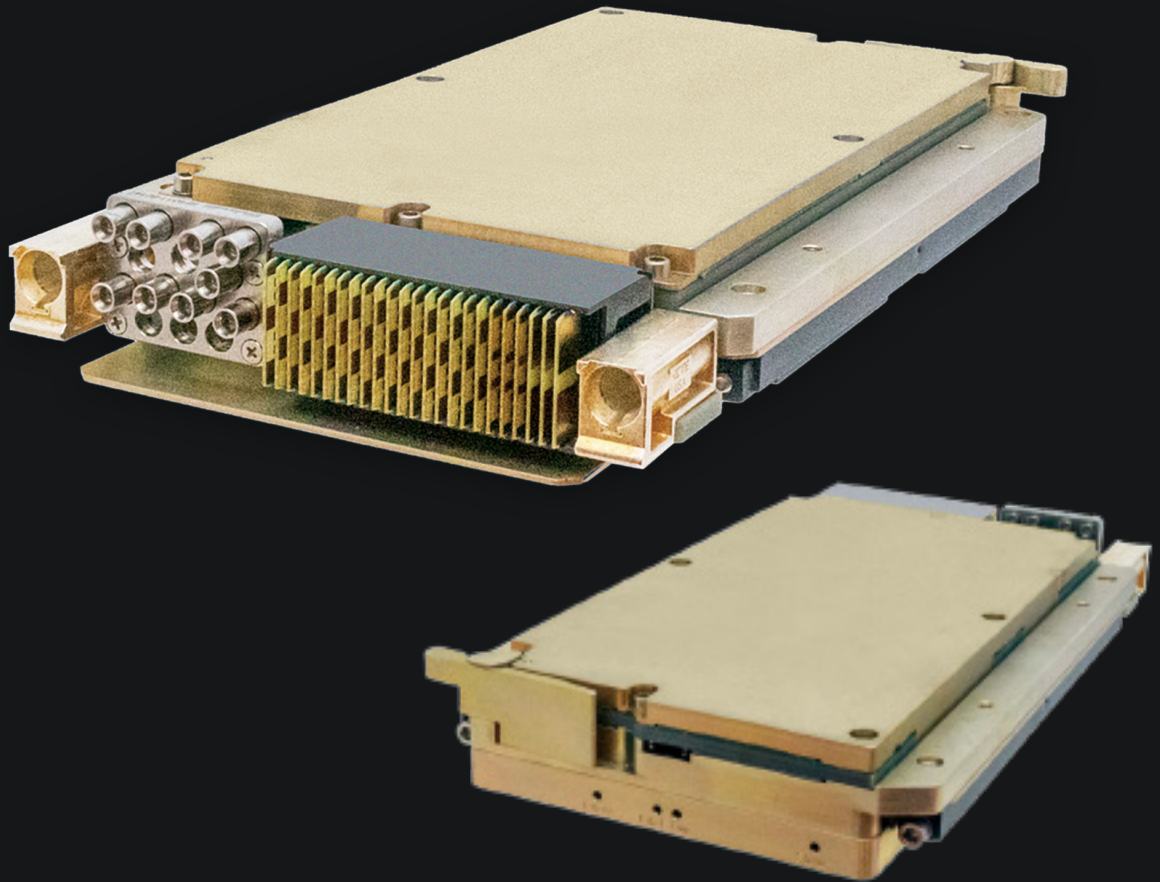


Angler

RFSOC SOFTWARE-
DEFINED RADIO (SDR)



The AV Angler RFSoc SDR is a CMOSS/SOSA/Victory/MORA compliant 3U VPX card that specializes in collection, precision geolocation and exploitation of 802.11 (Wi-Fi), 802.15 (Bluetooth), Thuraya and Inmarsat BGAN devices. The SDR architecture allows users to expand on the latest industry standards by allowing for multiprotocol waveform support and on-the-move protocol switching.

A Tailored, Multi-Protocol Capability

ANGLER RFSOC SDR

_Key Features

- > Software Defined transceiver
- > CMOS/SOSA/Victory/MORA compliant
- > Compatible with AV's ECC V2 and ECC V3 industry leading, multi-slot chassis
- > Mode switch capable between Wi-Fi, (LANShark) Bluetooth (Bluefin), Thuraya and Inmarsat BGAN (WindJammer) protocols
- > Autonomous operation
- > All-in-view protocol capture
- > Low-bandwidth, remote control capable
- > Mission manager control software
- > MORA-compliant VITA49A packets
- > Rover-compatible

_Specifications

[ENVIRONMENTAL]

FORM FACTOR	3U VPX (100 mm x 160 mm)
WEIGHT	1.35 lbs (6.1 kg)
COOLING	VITA 48.2 Conduction
OPERATING TEMPERATURE	-40 to 158 F (-40 to 70 C)
OPERATING SHOCK	20 g @ 7 ms half-sine pulse
SLOT PROFILE	SLT3-PAY-1F11F1U1S1S1U1U2F1H-14.6.11-4

[SUPPORTED PROTOCOLS]

WI-FI	Survey, Geolocation, Net Scanning, Cyber
BLUETOOTH	Survey, Geolocation, DOS, Cyber
THURAYA	Survey, Detection, Geolocation, DOS, Cyber
INMARSAT BGAN	Survey, Detection, Geolocation, DOS
IoT	WISUN / LoRaWAN - 2026

[ADDITIONAL]

SDK	SDK for 3rd Party Waveforms
CMS	Chassis Management Software
ACCESSORIES	2-5 Slot Chassis, Amplifiers and Antennas

