

AVS-4000

Software Defined Radio

Miniature Transceiver

Data Sheet

Applications:

Point to Point Communications

SIGINT Receiver

DIRFM

Autonomous Remote Sensor



Signal Processing & Communications Systems



Features

Small Size: 2.5" X 3.5"

USB Type C

Vita 49 Transport with Timestamp

Transceiver – Analog Device AD9364

Selectable Dedicated Rx and TX for FDD or Combined RX/TX For TDD

Available Extended Frequency Range - 2 MHz to 6 GHz

Bandwidth – 50 MHz

FPGA – Xilinx Artix 100T

Five Receive Pre-Selection Filters

Five Transmit Filters

Reference Inputs: 10MHz and 1PPS

Internal GPS Module and Disciplined Oscillator

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Signal Processing & Communications Systems



| | |
|-----------------------|--|
| TX Output | SMA Female |
| RX Input | SMA Female |
| TX/RX | SMA Female |
| GPS Antenna Input | MMCX Female |
| External 1PPS Input | MMCX Female |
| External 10MHz Input | MMCX Female |
| Input Voltage | +5 Volts via USBC or Aux Power Connector |
| Typical Power | 3 Watts |
| Auxiliary Power Input | USB Type C |
| Output RF Power | +5 dBm @4GHz |
| Weight | 4.5 ounces |

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