

SSV-621 Adder

The Gen5 Adder system is a software radio based Information Operations (IO) and Electronic Surveillance (ES) system. Gen5 ADDER IO and ES applications target many of today's modern commercial communication systems. Applications have been developed by Argon ST directly, and by US Government and DoD Contractors through the use of Argon ST's Gen5 open Software Development Kit (SDK). The majority of these applications are mature and currently deployed.



Controller

SSV-621 Chassis



Front View



Rear View

Features:

- Electronic surveillance (ES) and electronic attack (EA) for multiple terrestrial and satellite signals
- Native DF/TDOA/FDOA
- One 6-channel A/D, two Gen-5 Software Radios
- One multi-channel Transmitter card
- 6-Channel coherent receiver for DF applications
- Onboard computer for embedded applications
- High stabilized Rubidium Oscillator frequency reference
- Internal GPS timing receiver for 1 PPS application
- Auto-select internal or external 10 MHz and 1 PPS
- Preamp driver & TTL control for external HPA
- External TTL control lines for switches (8)
- DC bias (6) available for powering external LNA/LNB
- Internal and external data storage
- Field-upgradeable software and firmware

Specifications:

- Size: 11.9" (W) x 13.5" (D) x 5.25" (H)
- Weight: < 20 lbs.
- Power: 190 Watts Nom. (10V - 36V DC Input)
- HF Inputs: 3 MHz – 30 MHz (6 - SMA)
- RF Inputs: 100 MHz – 4,000MHz (6- SMA)
- RF Output: 100 MHz- 4,000 MHz (Preamp for HPA - SMA)
- 10 MHz & 1 PPS Input Connector: SMA female
- GPS Antenna IN/OUT Connector: SMA female
- Noise Source Cal Signal Connector: SMA female
- Data Storage: USB Type A

