

ADS-L Monitor System features

- Wide area ADS-L monitor using cellular node network
- Autonomous monitor node (only requires power supply)
- *iConspicuity* compatible (comply with AMC1 SERA.6005(c) as proposed in EASA NPA 2021-14)
- General aviation awareness using ADS-B / SSR monitoring
- Quick node integration using wireless 4G/5G cellular communication
- Optional WiMax mesh topology network as a robust solution for establishing a fully private and independent communication network
- Cloud powered system core
- UAS surveillance USSP interface (U-Space)
- CISP integration (U-Space)

Node specifications

Operation Frequency	868.2 MHz, 868.4 MHz (SDR860 M-Band) 869.525 MHz (SDR860 O-Band) 1090 Mhz (ADS-B / SSR)
Antenna	Vertically polarized collinear Omnidirectional
RF Tuner	SDR based on RTL2832U / R820T2 chipset
CPU	64-bit SoC, 2GHz, Quad-core Cortex-A76 (ARM v8.2)
RAM	16GB LPDDR5 SDRAM
Communications	Cellular 4G / 5G Ethernet 5GHz high power Wi-Fi (WiMax)
Fault proof redundancy	Dual host, dual SDR receiver cluster
Power supply	120 - 240 V AC 12 - 27 V DC
Waterproof rating	IPX-7
Weight	< 2 - 4 Kg