

COMM5G OEM module

COMM5G is an advanced low weight datalink module based around the Microhard pDDL radio, a broadband COFDM datalink capable of high speed bidirectional radio transmission and dual diversity receive. The board includes robust and low-profile connectors Molex Pico-Lock, dual ethernet ports. It is intended to be a complete full-featured but minimum size replacement for the Microhard radio motherboard. Bandwidth of up to 25 Mbps is possible. Advanced features such as mesh networking is available.

INTERFACES

- Power input: 5 VDC
- 1 W COFDM RF output, dual diversity receive, pDDL advanced modes / NanoDDL compatibility mode
- Dual ethernet interfaces (LAN / WAN / bridged). These can act in a bridged configuration (switch), or as independently configurable IP segments.
- Status LEDs (Power, Tx, Rx, LAN, WAN, RSSI x3)
- Reset button



APPLICATIONS

- UAS
- Security / Surveillance
- Broadcast
- Infrastructure
- Medical
- Vehicle
- Industrial
- Scientific

PHYSICAL

- Dimensions: 40x55x11mm
- Weight (with radio module)
18 grams

ACCESSORIES

- COMM5G Cable / Antenna Kit

Call us: +420 284 683 784, or write us: info@esc-aerospace.cz

esc Aerospace offers a product range of various On-Board Control Systems for vehicles and payloads, ranging from ionizing radiation hardened detectors to Data Relays and Sense & Avoid Systems. Commercial products include the 3rd generation of UAS/RPAS avionics with an Autopilot, Trajectory Management and Tracking functions; the 4th generation of GNC avionics has been developed for Launchers and Missiles, Micro-Satellite Instrumentation and Mini-Satellites. The 5th generation is a miniaturized and highly reliable system that enables UAS/RPAS to perform SWARM functions. esc Aerospace develops systems based on a revolutionary ASIC designed for a wide range of space and non-space radiation measurements payloads. It can be deployed as a miniaturized radiation detector with the capability of identifying radiation in early warning systems. esc Aerospace has recently presented its UAS/RPAS flight simulator. The AERO/SPACE FLIGHT SIMULATOR is targeted for expert users of UAS/RPAS and includes various aircraft and advanced options such as full autopilot.