

IRONghost™ Quattro Ground Unit Brochure

Tactical FPV/UAV Drone Control Link

Not for public disclosure

Jan 2024 : Version 1.1



ORQA



IRONghost™ Quad-Radio Ground Unit

Modular EW-Resilient control and telemetry link for FPV/UAV drones

Fully NDAA Compliant



Designed and Manufactured in the EU

IRONghost™ Quattro

Ground Unit Brochure



ORQA

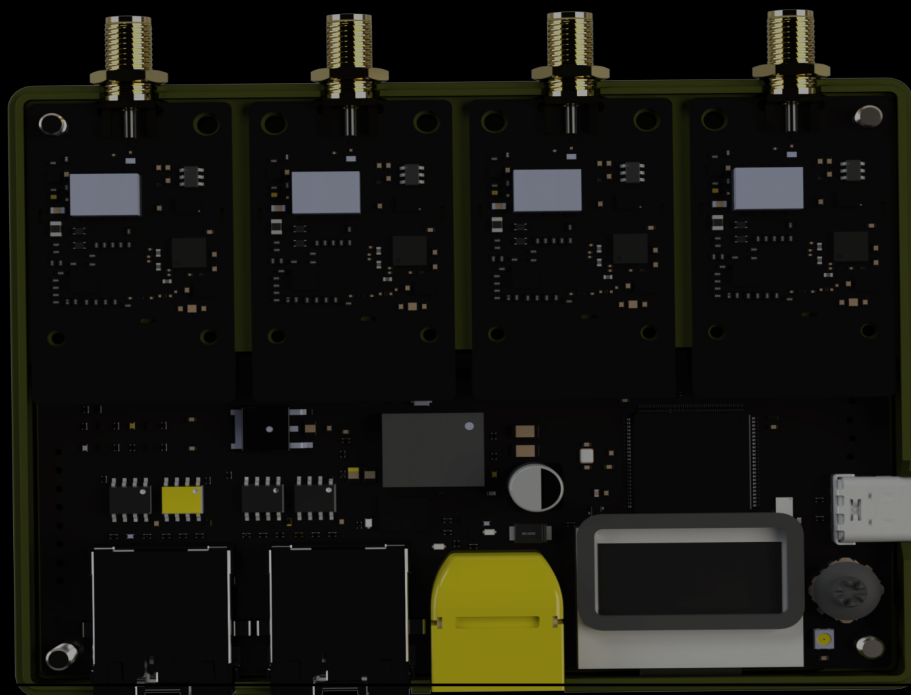
Tactical FPV/UAV Drone Control Link

Not for public disclosure

Jan 2024 : Version 1.1

Specifications

- Modular **IRONghost™ Long Range** control link for enterprise and defense FPV drones
- Single **RJ45** connection (MATRIX Port) to Orqa **Tac.Ctrl** R/C controller (providing power)
- Flexible configurations, from **1-4 radio bands**, each approx. **100MHz** wide. Standard configurations for **400-499, 600-699, 700-799, 860-960MHz**.
- **>2.5W** power output on the **400-499MHz** band, and **>3.2W** on the **900MHz** band
- EW resilient using combination of **band-switching, Chirp-Spread-Spectrum, and FHSS**
- Designed for either remote **tripod** (preferred) mounting, or mounting directly onto the **Tac.Ctrl**
- Up to **600m** Cat5/6/7 single ethernet cable connection to **Tac.Ctrl**
- Optional local power, **2s-6s**, using standard **XT-60** connector, plus remote (50V) power from the Tac.Ctrl
- Compatible with all **IRONghost™ DualSubGHz** radios (Hybrids), using any two of the supported bands (for example 9xx/4xxMHz, or 6xx/7xxMHz)
- RF modules interchangeable with **airborne repeater** modules (any two bands for air link, any two bands for ground link)
- Automatic internal antenna **VSWR** measurement, with protection against defective/absent antennas
- Pass-through connection to **rapidFIRE** Remote ground unit, for analog video feed



Designed and Manufactured in the EU