



COFDM Wide Band Data Link D-ATKS System Rack version Communications for payloads and C2

IPR D-ATKS Wide Band Data Link, is the ideal solution for high capacity reliable connection in strong COFDM modulation for Ground Fixed, Naval and Airborne rotary – fixed wings, manned and unmanned applications.

Including an heavy duty RF Outdoor Unit (ODU), enables reliable COFDM data connection up to 300Km or 162NM (belonging to the antenna system)

The system can be engineered to work either on L,C or on S Band depending on customer's request

Based on a LAN Ethernet interface, it enables the streaming of High Throughput Data over IP, Telemetries, GPS positioning data and more

Data transmission is AES standard @ 256 bit encrypted

IPR capabilities include complete terrestrial network design and implementation

Main sub-assemblies:

- 3 U 19" DATKS controlling module
- 3 U 19" Receiving module
- 1 U 19" Transmitting module
- ODU Unit



RTX Units



RF Outdoor Unit (ODU)

Reliable personalized solutions

All critical technologies' parts are developed produced and integrated by IPR providing an outmost degree of customization: systems can be tailored to end users' specific layout and weight requirements

IPR systems have no ITAR restrictions

Technical features

CPU Tracking system

Supply voltage	230 V AC or 10 to 36 V DC
Power consumption	~ 30W
Dimension	3 Unit 19 "
Weight	~ 5 Kg
Connector	N Female
Interface	GPS based tracking
Audio Output connector	Available
GPS Output connector	Available

RTX UNITS

Interface	LAN Ethernet 10/100 Mbit/s – Serial
Capacity	Ethernet network interfaces
RX Modulation	COFDM
TX Modulation	COFDM
Up/Down link data speed	Up to 20 Mbit/s
Frequency	L/S or C band
RF power TX	+40 dBm +/-1 dBm
RF occupied bandwidth receiver	8 MHz (customizable)
Supply voltage	230 V AC
Encryption	AES @ 256 bit
Dimension	3 + 1 Units 19"
Weight	~ 5 Kg

IPR ehensive Offer includes:



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