

# AR-X1 UHF DATALINK



## Features

Designed for GNSS RTK Survey Systems

865-867 License Free Indian Frequency

Fully metal constructed and rugged body

Low Transmit Power of 1W

Strong Lemo Connector for Power Entry

## Specifications

Frequency.....866 MHz  
Communication Mode.....Half-Duplex  
Modulation.....LoRa  
Baud Rate.....9600/4800/19200 (Optional)  
Compatible Receivers.....GRX2, Hiper-V and others

## Electrical

Power Supply.....12V DC  
Transmit Power.....1W  
Battery.....7.4V, Li-Ion 4800mAh  
Charging Time.....6-8 h @ 25-30

## Physical

Dimension..... $\varnothing$ 120x85mm  
Data Connector.....1 Serial Port DB9  
Power Connector.....2 Pin Lemo/ODU  
RF Connector.....SMA Connector  
Weight.....850 g  
Mounting.....5/8" Top/Bottom for Receiver and Pole

## Environmental

Operating Temperature.....0°C to 50°C  
Storage Temperature.....-10°C to +60°C  
Humidity.....90% No-condensing  
Water and Dust Proof.....IP67



# GH-55 GIS HANDHELD



## Specifications

### Hardware

CPU.....	2.4 GHz Deca-core
GPU.....	ArmMali-T880 MP4
RAM.....	6 GB
Internal Storage .....	128 GB
External Support.....	Upto 128 GB
MainCamera.....	13.0 MP
SubCamera.....	5.0 MP
Battery.....	6000 mAh (Replaceable battery)
Display.....	5.5 inch, 500 nits Sunlight Readable
Display Material.....	Aero-grade titanium alloy, toughened glass

### IO/Sensor/Navigation

Headphone.....	3.5mm
Data Interface.....	C24pin
RS232 (optional) .....	RS232X1
Sensors Supported.....	Gravity Sensor, Motion Sensor, Direction Sensor, Magnetic Field Sensor, Gyro Sensor, Rotation Vector, Light Sensor, Acceleration Sensor
Charger.....	5.0 V2A-10 W
Navigation.....	GPS+Beidou+AGPS(EPO) optional(GPS+Glonass)

## Communications&Networking

PhoneCall.....	GSM/WCDMA/TD-SCDMA /CDMA1X/VoLTE
2G.....	GSM/CDMA1X/EDGE/GPRS/WAP
4G.....	FDD:150 Mbps down,50 Mbps UPTDD: 150 Mbps downlink,50 Mbps uplink
4GBand.....	TD-LTE (B38/39/40/41); FDDLTE (B1/2/3/4/5/7/20)
WI-FI.....	Dual – bandWIFI(2.4GHz/5Ghz) singlestream802.11a/b/g/n/ac
Bluetooth.....	4.2LowEnergy(LE)

## Industrial & Reliability Design

Shake-proof.....	1-19 Hz/1.0mm;19-200 Hz/1.0 g
Dropproof /IK.....	MIL-STD 810 GB /Method516.6/ Procedure IV & Touch Panel IK05
IP Rating.....	IP 65
Reliability.....	MTBF>5000h ; MTTR<0.5h
Operating Temperature .....	-20°C to 55°C
Storage Temperature.....	-40°C to 80°C

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