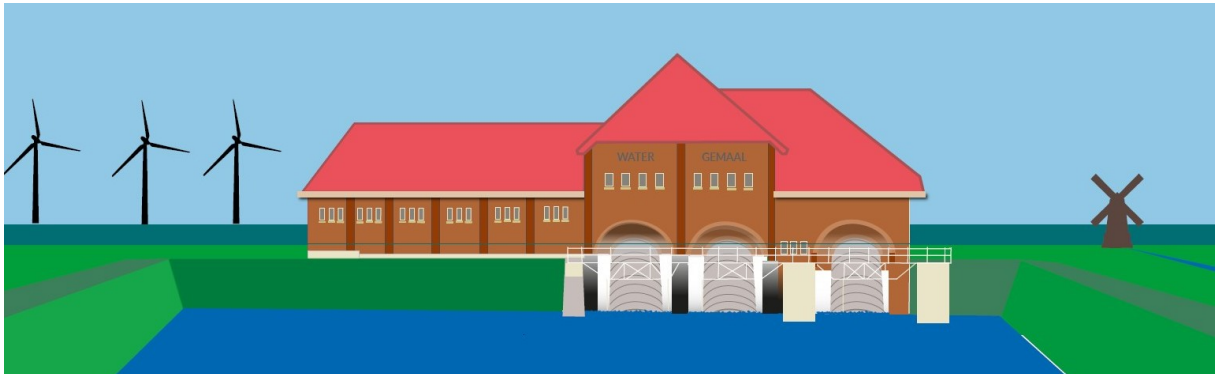


iQ Product Datasheet

iQ-S4 UHF Radio Modem

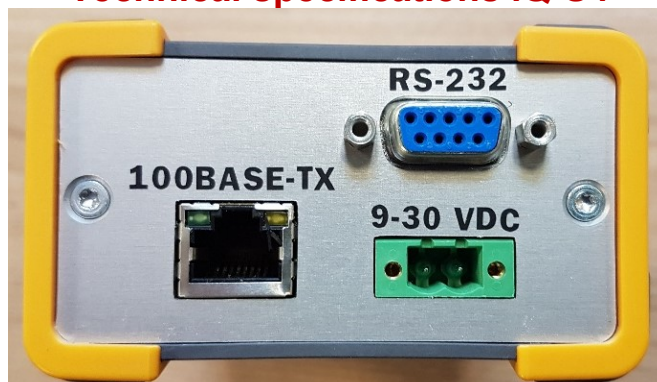


iQ Radio has built a modular telemetry platform. Manufactured to compliment your application. Based on past experience as well as future requirements we listen to customer requirements in various markets to hear and learn about the wishes and demands. With our modular design and flexibility in using your desired interfaces we supply telemetry solutions ranging from UHF to Cellular up to Wi-Fi p, Wi-Fi and Bluetooth.

iQ-S4

The iQ-S4 is a UHF wide band telemetry transceiver operating the frequency band 403-473 MHz. This compact telemetry platform finds its use in multiple applications such as GNSS, ITS, Offshore, Water and Grid Monitoring, building automation, wireless monitoring and access control systems, remote controlled vehicles, remote digital signage, etc. The equipment complies with the following international standards: EN 300 113-2 Annex A, EN 301 489-1,-5, EN 60950-1 and FCC CFR47 Part 90.

Technical specifications iQ-S4



Frequency	403 ... 473 MHz
Channel Width	12.5 kHz/25 kHz (software selectable)
Tuning Range	70 MHz
Frequency Control	Synthesized 6.25 kHz tuning resolution
Modulation	4FSK, 8FSK, 16FSK, GMSK
Carrier Power	100, 200 , 500, 1000 mW

DATA MODEM

Interface	RS-232, optional Bluetooth and UDP
Interface connector	DB9, female, RJ45 Female
Data speed of serial interface	1200-115200 bps
Data speed of radio interface	9600, 14400, 19200, 28800 bps
Data format	Asynchronous data
Air interface encryption	AES128 (optional)

GENERAL

Input Voltage	9-30 Vdc / 1A
Power Consumption	Typical 0.8 W (receive) 4.7 W (transmit 1W)
Temperature Range	-25 °C ... +55 °C
Antenna connector	TNC, 50 ohm, female
Construction	Diecast aluminium alloy
Size HxWxD	mm 115 x 64 x 31 mm
Weight	250 g

Manufacturer:



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