

TELEMETRY RECEIVERS

Dimensions (cm)

8.2 x 6.1 x 3.6

Weight (g)

320

Power Consumption (w)

15

Data Interfaces

Ethernet, RS 422

Operating Voltage

24 - 32 V

Operating Temperature

-40 C to +85 C

Environmental Condition

MIL-STD-810G

Frequency Range

2.2 - 2.4 GHz

Connectors

SMA Female
Micro-D 25

Data Rate

Up to 16 Mbps

Demodulation

PCM-FM

Bit Decoding

NRZ, RNRZ-15, NRZ-M, NRZ-S, RZ,
Bi-Phase L, Bi-Phase M, Bi-Phase S



TELEMETRY TRANSMITTER AND COMPACT DATA ACQUISITION

Dimensions (cm)

1W: 5.9 x 1.7 x 5.5 - **2W:** 5.9 x 1.7 x 5.5

5W: 7.5 x 2.0 x 5.5 - **10W:** 7.5 x 2.0 x 5.5

20W: 9.6 x 3.2 x 6.0

Weight (g)

1W: 75 - **2W:** 75 - **5W:** 160 - **10W:** 160 - **20W:** 410

Power Consumption (w)

1W: 350 mA @ 28 V

2W: 450 mA @ 28 V

5W: 1.1 A @ 28 V

10W: 1.4 A @ 28 V

20W: 2.8 A @ 28V

Data Interfaces

Ethernet, TTL, RS-485 / 232

Operating Voltage

24 - 32 V

Operating Temperature

-40 C to +85 C

Environmental Condition

MIL-STD-810G

Frequency Range

2.2 - 2.4 GHz

Connectors

MCX, SMA, MMCX

Max RF Output Power

1W / 2W / 5W / 10W / 20W

Data Rate

Up to 16 Mbps

Modulation Mode

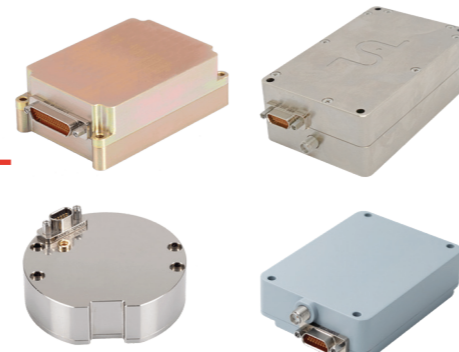
PCM/FM, SOQPSK, BPSK

FEC

Reed Solomon (RS)
LDPC, Convolutional (Optional)

Digital Inputs

Ethernet, TTL,
RS- 422 / 485 / 232



STACKABLE DATA ACQUISITION AND TELEMETRY SUITE

Module Dimensions (cm)

Master & Slaves: 6.0 x 7.5 x 1.3

Transmitter: 6.0 x 7.5 x 2.15

Power: 6.0 x 7.5 x 3.0

Weight (g)

Master Module: 96

ICP Module: 95

Differential Module: 94

Temperature Module: 93

Heat Flux Module: 93

Transmitter Module: 170

Power Module: 225

Power Consumption (w)

Master Module: 4.3 W

ICP Module: 1.7 W

Differential Module: 1.7 W

Temperature Module: 1.5 W

Transmitter Module: 30 W

Heat Flux Module: 1.5 W

Data Interfaces

Ethernet, TTL, RS-422 / 485 / 232

Operating Voltage

Master Module: 16 - 35 V

Power Module: 24 - 50 V

ICP Module: 18 - 35 V

Differential Voltage Module: 18 - 35 V

Temperature Module: 12 - 35 V

Transmitter Module: 24 - 32 V



Operating Temperature

-40 C to +85 C

Environmental Condition

MIL-STD-810G

Frequency Range

Transmitter Module: 2.2 - 2.4 GHz

Connectors

SMA, Micro-D 15 / 25 / 51

Max RF Output Power

10W

Data Rate

Up to 16 Mbps

Modulation Mode

PCM/FM, SOQPSK

Data Encryption

AES 256 (Optional)

FEC

Reed Solomon (RS) and Convolutional,
LDPC

Digital Inputs

Ethernet, RS 232 / 485, TTL, MIL-STD-1553

Analog Inputs

PT 100 / Thermocouple / Thermistor,
ICP, Differential, Single Ended

