

# TLU

## (HABERLEŐME BİRİMİ)

### Özellikler

Frekans Aralığı	902-928MHz
Modülasyon Tipi	2GFSK, 4GFSK, QPSK
TX Gücü (Ayarlanabilir)	00mW – 2W
Maximum Rate @-103 dBm Hassasiyet	345kbps @400kHz bandwidth @1W
Telemetri Baud Rate	256bps
Track Anten ve Yükselteç ile Menzil	~200km [124mil] LoS
Track Anten ile Menzil	~100km [62mil] LoS
Omni Anten ile Menzil	50km [31mil]4 in LoS
Telemetri	10Hz
Çalışma Modları	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Peer-to-Peer
Alıcı Hassasiyeti (@10 <sup>-4</sup> )	114dBm @57.6kbps / -107dBm @230.4kbps
İleri Hata Düzeltme	Hamming, BCH, Golay, Reed-Solomon, Viterbi
Hata Tespiti	32bits of CRC, ARQ

### Çevresel Kalifikasyon

Çalışma Sıcaklığı	-40°C / +60°C
Toz Sıvı Koruması	IP67
Besleme Gerilimi	6-36V
Diğer Korumalar	ESD, Logic I/O



# TLU

## (TELEMETRY UNIT)

### Features

Frequency Range	902-928MHz
Modulation Type	2GFSK, 4GFSK, QPSK
TX Power (Adjustable)	00mW – 2W
Maximum Rate @-103 dBm Sensitivity	345kbps @400kHz bandwidth @1W
Telemetry Baud Rate	256bps
Range With Track Antenna and Amp.	~200km [124mil] LoS
Range With Track Antenna	~100km [62mil] LoS
Range With Omni Antenna	50km [31mil]4 in LoS
Telemetry	10Hz
Operating Modes	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Peer-to-Peer
Receiver Sensitivity (@10 <sup>-4</sup> )	-114dBm @57.6kbps / -107dBm @230.4kbps
Forward Error Correction	Hamming, BCH, Golay, Reed-Solomon, Viterbi
Error Detection	32bits of CRC, ARQ

### Environmental Qualification

Operational Temperature	-40°C / +60°C
Ingress Protection	IP67
Input Voltage	6-36V
Other Protection	ESD, Logic I/O

