

TDML DATA LINK

GENERAL DESCRIPTION

TDML Data Link is a compact L Band data link based on TDMA communication algorithm, enabling the use of both point-point and point-multipoint communication. System can be used for applications where communication network is established.



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Compact size and low power consumption allows terminals to be used in many platforms including mini, midi and tactical UAVs. System incorporates SDR modem in which advanced modulation techniques are used for improved performance and spectrum utilization. AES-256 encryption and spread spectrum techniques like FHSS or DSSS are also offered as an option for applications where data security is critical. System has relay capability for establishing mesh networks. System may be used with omnidirectional ground antenna as well as directional antenna for improved communication range. Data rate can be adjusted up to 10 Mbps manually or automatically depending on the nature of the application.

KEY SPECIFICATIONS

High Efficiency
Light Weight
Compact Size
Up to 10 Mbps Data Rate
Automatic Networking
Easy Integration
Point-Multipoint Communication

TECHNICAL SPECIFICATIONS

Frequency	L Band
RF Output Power	10 W
Data Rate	Up to 10 Mbps
ECCM (Optional)	FHSS or DSSS
FEC	Reed Solomon (RS) and Convolutional
Data Encryption	AES 256 (Optional)
Data Interface	Ethernet RS 422/485 RS 232
Antenna Interface	SMA
Operating Voltage	28 V (18 – 32 V)
Power Consumption	15 W Average; 30 W Max.
Dimensions (cm)	10.2 x 11.6 x 2.2
Weight	325 g