

## TDMA MODEM

### GENERAL DESCRIPTION

TDMA Modem is two way, half duplex data link modem for point-point, point-multipoint or multipoint-multipoint aerial, naval and terrestrial communication networks.



TDMA Modem

RF units such as low noise amplifier, driver amplifier (>20 dBm), limiter and filter are embedded inside the system so that it can operate without using an extra RF circuitry for short distances (<10 km). Bi-directional amplifier is also offered for long range communication applications.

### KEY SPECIFICATIONS

SDR Based System  
 Easily Configurable for Specific Applications  
 Specific Frequency Bands Available up to 6 GHz  
 > 20 dBm Output Power  
 CPM/CPFSK/MSK/PSK Modulation Types  
 Multipoint-Multipoint Communication

TDMA Modem is available for various frequency bands up to 6 GHz. System can be configured for VHF/UHF/L/S/C Band communication without any change in mechanical properties. Smaller form factors are also available for specific applications.

### TECHNICAL SPECIFICATIONS

<b>Frequency Range</b>	Up to 6 GHz
<b>Data Rate*</b>	Up to 10 Mbps
<b>Modulation Type</b>	CPFSK/MSK/PSK
<b>ECCM (Optional)</b>	FHSS or DSSS
<b>FEC</b>	Reed Solomon (RS) and Convolutional
<b>Data Encryption</b>	AES 256
<b>Power Consumption</b>	180mA @ 28V
<b>Dimensions (cm)</b>	8.1 x 13.1 x 2.8
<b>Weight</b>	560 g

\* Contact TUALCOM for higher data rate requirements