

Specification Sheet

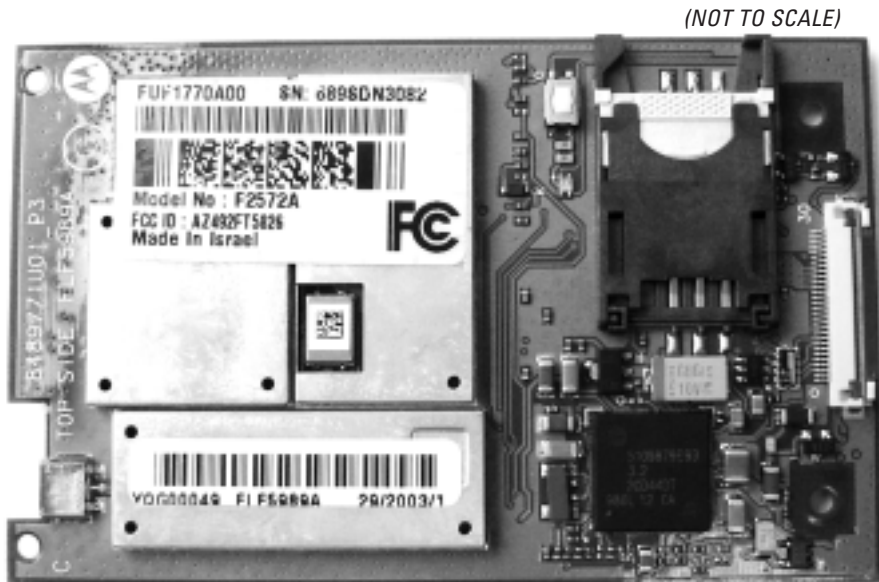
iO1500R WIRELESS MODEM



The iO1500R Wireless Modem provides mobile professionals packet data, circuit data and voice connectivity on the iDEN 800 MHz network. With the iO1500R and the iDEN network, users can enhance the efficiency of their businesses by wirelessly gaining access to key enterprise information. Some of the applications that are possible:

- Automatic Vehicle Location (AVL)
- Supervisory Control and Data Acquisition (SCADA)
- Point Of Sale (POS)
- Electronic Funds Transfer (EFT)
- Automatic Resourcing Management Systems (ARMS)
- Telemetry/Telematics
- Meter Reading
- Vending
- Security

The iO1500R is lightweight and compact. This modem can be easily integrated into a variety of portable terminals, telemetry devices, and remote access systems. Motorola integration support services are available to assist OEM's and system integrators throughout their development.



*SIM Card
not pictured*

*The iO1500R modem must
be configured on an iDEN
800 MHz network.*

GENERAL FEATURES

Supports the following modes of transmissions:

- Circuit data and fax transmission
- Packet data
- Hayes compatible packet data
- Telephone interconnect and dispatch voice operation

PHYSICAL SPECIFICATIONS

Dimensions	85.6mm x 54mm x 6mm (Includes SIM Card)
Weight	28 grams
RF Output Connector	MMCX Jack (female) 50 Ohm
Data Connector	30 pin ZIF socket – Custom I/O
Low TTL level	0-3.0V

ELECTRICAL SPECIFICATIONS

Radio Frequency	TX 806-821 MHz RX 851-866 MHz
TX Output Power	Nominal Average 0.6 watts at 3.6V & 25°C
Static Sensitivity	-111dbm @ -10% BER
Input Voltage	3.6VDC \pm 5% ripple 50mv
Current Consumption	TX Current Avg. in slot 1000mA Rx Current Avg. in slot 100mA Standby Current Avg. 25mA max

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-25°C to 60°C
Storage Temperature	-40°C to 85°C
Humidity	95% RH @ 50°C non-condensing
Vibration	Per TIA/EIA 603 par.3.3.4
Shock	Per TIA/EIA 603 par.3.3.5; MIL STD-810E 516.4 Proc 1
Radiated Emission	FCC part 90, part 15
FCC ID	AZ492FT5826
Canada ID	109U-92FT5826



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