



The Molex TelEnable FDC (Fax/Data Card) Facilitates Communication Links For Various Protocols

By simplifying interconnections and enabling compatibility between legacy, current and future technologies, TelEnable aids the implementation and following of protocols for various industries and applications. TelEnable is an intelligent interconnect system that allows communications interoperability between devices that would normally be incompatible, or unable to “talk to” each other.

TelEnable has applications across a variety of markets, including transportation, manufacturing, emergency services, remote monitoring and wireless communications.

The TelEnable FDC, or Fax/Data Card, is capable of transmitting serial data or a digital fax from an analog device utilizing a wireless network. The FDC unit can be embedded into a customer system using standard harnesses and is also available as an external accessory.

For custom packaging variations please contact us at TelEnable@molex.com.



Features and Benefits

- Mitigates design issues and provides interface for new protocols to enable compatibility between technologies
- Eliminates trials of protocol development to keep design focus on core product
- Simplifies interconnections to decrease costs and reduce CPU overhead
- Reduces validation and testing risks to minimize training

SPECIFICATIONS

Reference Information

Communications Interface: RS-232C and Telco (Tip/Ring)

Packaging: Anti-static protective bag in corrugated carton with partition

Interconnects: Molex HDAC 16- and 18-circuit sockets

Electrical

Operating Voltage: 12V DC @ 0.5A

Physical

Dimensions: 114.00 by 76.20 mm (4.49 by 3.00")

PCB Thickness: 1.57mm (0.062")

Weight: 0.11 kg (3.81 oz)

Material: FR-4 PCB

Operating Temperature: 0 to +50° C (32 to +122° F)

Storage Temperature -40 to +80° C (-40 to +176° F)

APPLICATIONS



**TelEnable™ FDC
Fax / Data Card**

Series 79524

- **Wireless Communications:**
 - Local or short-range (IEEE 802.11 or Bluetooth*)
 - Cellular/PCS
- **Transportation:**
 - OEMs (Automobile, Trucks, and RVs)
 - Railways
- **EMS:**
 - Fire (Commissioners and Chiefs)
 - Rescue
- **Remote Monitoring:**
 - Security systems
 - Utilities



Performance Specifications

- Supports serial data rates up to 115.2 kbps
- Dual CAN bus ports support data rates up to 500.0 kbps
- Works with any circuit data enabled wireless phone, including CDMA, PCS, TDMA, GSM/GPRS and IDEN
- Outputs for status indicators
- Field configurable using touchtone phone and serial interface
- Analog phone interface standards include Ring-down and DTMF Decode
- Supports Group III Fax and V.92 Modem protocols
- Custom packaging options available

ORDERING INFORMATION

Order No.	Description	Description
79524-5000	TelEnable FDC	Fax / Data Card
79524-3002	FDC Harness	Used to connect FDC to standard telecom equipment

*Bluetooth is a registered trademark of Bluetooth SIG, Inc.

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