

Fast IP Transaction Processing for ECR Systems with a DataTran Interface

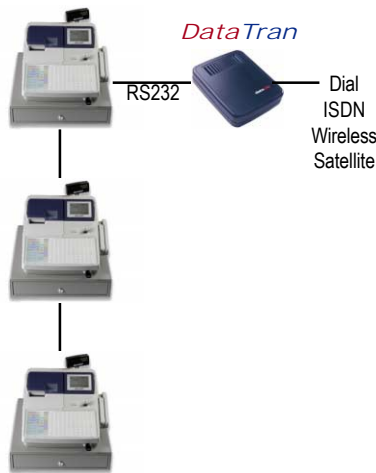
Overview

Datacap's IPEnabler™ allows ECR/POS systems interfaced to the DataTran™ 162 ML to do 1-2 second payment transactions over the Internet. This is accomplished by substituting a Windows PC with a persistent Internet connection and running IPEnabler software for the DataTran ML. IPEnabler takes DataTran commands and converts them to IP services supported. Currently retail and QSR transactions are supported for systems which use DataTran with ABS type load modules.

Now retailers and QSR operators using qualified DataTran 162 ML based solutions can gain the benefits of accepting credit cards in an integrated system and enjoy the huge benefits of 2 second transactions. IPEnabler maximizes sales and revenue opportunities, while increasing customer service. Installation is easy and support is simple... and 2 second transactions make everyone happy.

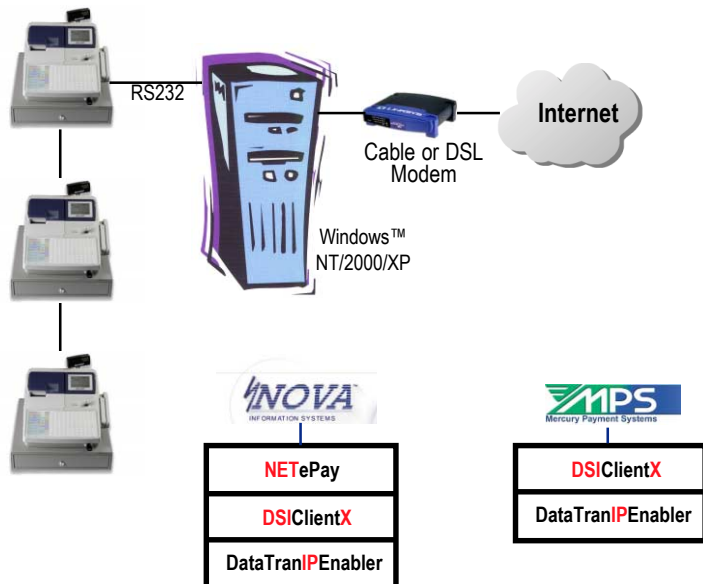
Typical Register System Configurations

DataTran Configuration



A typical DataTran ML configuration with multiple ECRs uses the IRC to bring transactions to a master register which is connected to the DataTran via RS232.

IPEnabler Configuration



The same type of multiple ECR configuration with IPEnabler has the master register connected to the serial port of a PC running IPEnabler. In addition, the PC is also running Datacap's DSIClientX which communicates with a payment server either locally (NETePay) or remotely (Mercury Payment Systems).

IPEnabler Systems Requirements

We recommend:

- Windows PC running the IPEnabler software and using IP and having a persistent Internet connection.
- Windows NT/2000/XP systems are recommended.
- 400MHZ Pentium II/III/IV or higher.
- Serial port which utilize a 16550(AFN) compatible UART on the mother board or an addon card.
- Ram should be the suggested minimum or greater for the respective OS.
- Functioning IP Stack.
- TCP/IP outgoing ports open (1024 - 5000)
- A Datacap supplied null modem cable or equivalent. Some certified system cables include:
 - for Sharp UP-600, UP-700, UP-3301 Datacap part # 7470.10
 - for CRS4000/CRS3000 (in cert testing) Datacap part # 7871.21
 - other requiring generic NULL modem cable Datacap part # 7470.10 with DB9s on both end
- POS/ECR system should be tested and certified for use with IPEnabler and IP usage by the system provider, with Datacap's assistance.

If there are questions, contact Datacap Tech Support at 215/997-8989 or email support@dcap.com.

IPEnabler Serial Cable Specification

For short distances, up to 50 feet, standard RS232 cables should perform fine. For longer lengths, up to 1000 feet, the RS232 wiring recommendation for use with IPEnabler is based on using the following Belden low capacitance cable:

Belden P/N	Number of conductors
9925	3
9931	6
9934	9

IPEnabler runs at 2400 baud and at that speed, a 1000' cable should operate reliably. However, this is a RECOMMENDATION not a GUARANTEE. Nearly all cable installed with basic common sense works but there are exceptions that involve unique environmental, electrical and installer issues, and any installation should be thoroughly tested before the results relied on.

*For Reliable PC-POS payment processing.....
Call Datacap Today for a Developer's Toolkit.*

datacap
systems, inc.

**100 New Britain Blvd.
Chalfont, PA 18914 USA**

**Tel: 215-997-8989
Fax: 215-997-3919**

**Web: www.datacapsystems.com
E-Mail: datacap@dcap.com**