

Certified Terminal and Device Manual - First Data Retail ATM Services - Amarillo Platform

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Version 2.6



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Periodic revisions to this manual are issued to reflect technical changes and enhancements to the System, and to ensure that all information contained herein remains current and accurate.



Revision Guide March 2010

| Chapter Updated | Description of Change |
|------------------|--|
| Chapters 1 and 2 | Added Contour Networks as new vendor and details for the following models: <ul style="list-style-type: none"><li data-bbox="583 594 1068 625">◆ JBM A2201 - Hyosung Nautilus<li data-bbox="583 638 1170 669">◆ Systech IPG-7310 - Hyosung Nautilus<li data-bbox="583 682 1013 714">◆ Systech IPG-7310 - Tranax |



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Certified ATMs/Devices by Type

ATMs

| Model | Comm Type | Message Format | Status |
|---------------------|-----------|-----------------|-----------|
| Cash Systems | | | |
| ■ 1064ix | TCPIP | Diebold 912 | Certified |
| ■ Opteva | TCPIP | Diebold 912 | Certified |
| Diebold | | | |
| ■ 10xx Series | Dial-Up | Diebold 912 | Certified |
| ■ 10xx Series | Lantronix | Diebold 910/911 | Certified |
| ■ 10xx Series | TCPIP | Diebold 912 | Certified |
| ■ Opteva 7xx | TC500 | Diebold 912 | Certified |
| ■ Opteva 7xx | TCPIP | Diebold 912 | Certified |
| FastFunds | | | |
| ■ Diebold 1064 | TCPIP | Diebold 912 | Certified |
| ■ Diebold Oteva 7xx | TCPIP | Diebold 912 | Certified |

| Model | Comm Type | Message Format | Status |
|-------------------------|-----------|-----------------|-----------|
| Glory | | | |
| ■ Hi-Cash PZ-Z1 | Dial-Up | Triton Standard | Certified |
| Greenlink | | | |
| ■ 3D53 | Dial-Up | Triton Variant | Certified |
| ■ 3D53 | TCPIP | Triton Variant | Certified |
| ■ Merlin | Dial-Up | Triton Variant | Certified |
| ■ TTW 1000 | Dial-Up | Triton Variant | Certified |
| ■ TTW 2000 | Dial-Up | Triton Variant | Certified |
| ■ TTW 2500 | Dial-Up | Triton Variant | Certified |
| Hyosung Nautilus | | | |
| ■ 500CE | TCPIP | Standard 3 | Certified |
| ■ 500CE | TCPIP | Standard 1 | Certified |
| ■ Monimax 5000 | Dial-Up | Diebold Variant | Transfer |
| ■ Monimax 5000 CE | Dial-Up | Standard 3 | Certified |
| ■ MX-5100 | Dial-Up | Standard 1 | Transfer |

| Model | Comm Type | Message Format | Status |
|------------|-----------|-----------------|-----------|
| ■ MX-5100T | Dial-Up | Standard 1 | Transfer |
| ■ MX-5100 | TCPIP | Standard 3 | Transfer |
| ■ MX-5100T | TCPIP | Standard 3 | Transfer |
| ■ MX5300CE | TCPIP | Standard 1 | Transfer |
| ■ MX5300CE | TCPIP | Standard 3 | Transfer |
| ■ MX5300CE | Dial-Up | Standard 3 | Transfer |
| ■ MX5300XP | TCPIP | 912 | Transfer |
| ■ MX5300XP | Dial-Up | Standard 1 | Transfer |
| ■ MX5300XP | TCPIP | Standard 3 | Transfer |
| ■ MX7000D | TCPIP | 912 | Certified |
| ■ MX7000D | Dial-Up | Standard 1 | Certified |
| ■ MX7000D | TCPIP | Standard 3 | Certified |
| ■ NH-1500 | Dial-Up | Diebold Variant | Certified |
| ■ NH-1800 | Dial-Up | Standard 1 | Certified |
| ■ NH-1800 | Dial-Up | Standard 3 | Certified |

| Model | Comm Type | Message Format | Status |
|-------------------|-----------|-----------------|-----------|
| ■ NH-1800CE | TCPIP | Standard 1 | Transfer |
| ■ NH-1800CE | TCPIP | Standard 3 | Transfer |
| ■ NH-1800CE | Dial-Up | Standard 3 | Transfer |
| ■ NH-2100T | Dial-Up | Diebold Variant | Transfer |
| ■ NH-2100T | Dial-Up | Standard 1 | Certified |
| ■ NH-5010 | Dial-Up | Standard 1 | Transfer |
| ■ NH-5010 | Dial-Up | Standard 3 | Transfer |
| ■ NH-5050 | Dial-Up | Diebold Variant | Certified |
| ■ NH-5050 | TCPIP | Standard 3 | Transfer |
| ■ NH-5050 | TCPIP | Standard 1 | Transfer |
| Lipman USA | | | |
| ■ 6000 | Dial-Up | Triton Standard | Certified |
| NCR | | | |
| ■ @tmEASE | Dial-Up | Triton Variant | Certified |
| ■ 5xxx Series | Dial-Up | NDC | Certified |

| Model | Comm Type | Message Format | Status |
|------------------------------|-----------|-------------------|-----------|
| ■ 5xxx Series | Lantronix | 910/911 Emulation | Certified |
| ■ 5xxx Series | TCPIP | NDC | Certified |
| ■ EasyPoint 57 | Dial-Up | NDC+ | Certified |
| Nextran | | | |
| ■ Comnet 1000 | Dial-Up | Diebold Variant | Certified |
| ■ Comnet 4000 | Dial-Up | Diebold Variant | Certified |
| ■ Extremo | Dial-Up | Diebold Variant | Certified |
| Premier Money Centers | | | |
| ■ Tidel 3800XP | TCPIP | Triton Variant | Certified |
| Qualtex | | | |
| ■ MBC-1031 | Dial-Up | Triton Variant | Certified |
| ■ WeatherMaster | Dial-Up | Triton Variant | Certified |
| Synkey | | | |
| ■ 6221 | Dial-Up | Diebold Variant | Certified |
| ■ 6230 | Dial-Up | Diebold Variant | Certified |

| Model | Comm Type | Message Format | Status |
|-----------------|-----------|-----------------|-----------|
| ■ 6240 | Dial-Up | Diebold Variant | Certified |
| Tidel | | | |
| ■ 3100 | TCPIP | Tidel TCPIP | Certified |
| ■ 3400 | TCPIP | Tidel TCPIP | Certified |
| ■ IS 2000 | Dial-Up | Tidal Standard | Certified |
| Tranax | | | |
| ■ MB 2500 | Dial-Up | Diebold Variant | Certified |
| ■ MB 2500 | Dial-Up | Triton Standard | Certified |
| ■ MB 1700 | Dial-Up | Diebold Variant | Certified |
| ■ MB c4000 | Dial-Up | Diebold Variant | Certified |
| ■ MB e4000 | Dial-Up | Diebold Variant | Certified |
| ■ MBS2100T | Dial-Up | Diebold Variant | Certified |
| ■ MBS5000 TCPIP | TCPIP | NDC | Certified |
| ■ MBS5000 TCPIP | TCPIP | Diebold Variant | Certified |
| ■ MB x4000 | Dial-Up | Diebold Variant | Certified |

| Model | Comm Type | Message Format | Status |
|-----------------|-----------|-----------------|-----------|
| Trantech | | | |
| ■ TRT-2000 | Dial-Up | Triton Standard | Certified |
| Triton | | | |
| ■ 9100 | Dial-Up | Triton Standard | Certified |
| ■ 9640 | Dial-Up | Triton Standard | Certified |
| ■ 9700 | TCPIP | Triton TCPIP | Certified |
| ■ 9750 | Dial-Up | Triton Standard | Certified |
| ■ FT5000 | Dial-Up | Triton Standard | Certified |
| ■ FT5000 | TCPIP | Triton TCPIP | Certified |
| ■ Mako | Dial-Up | Triton Standard | Certified |
| ■ RL1600 | TCPIP | Triton TCPIP | Certified |
| ■ RL1600 | Dial-Up | Triton Standard | Certified |
| ■ RL2000 | Dial-Up | Triton Standard | Certified |
| ■ RL5000 | CDMA | Triton TCPIP | Certified |
| ■ RL5000 | Dial-Up | Triton Standard | Certified |

| Model | Comm Type | Message Format | Status |
|------------------------------|-----------|-------------------|-----------|
| ■ RL5000XP | TCPIP | Diebold 912 | Certified |
| Western Money Systems | | | |
| ■ CXSATM | TCPIP | Triton IP Variant | Certified |
| Wincor Autotell | | | |
| ■ 2250XE ProCash | TCPIP | Diebold 912 | Certified |
| WRG | | | |
| ■ CASS 2000 | Dial-Up | Triton Variant | Certified |
| ■ Genesis | Dial-Up | Triton Variant | Certified |
| ■ Genesis | Dial-Up | Triton Variant | Certified |
| ■ Phoenix | Dial-Up | Triton Variant | Certified |
| ■ Phoenix | Dial-Up | Triton Variant | Certified |
| ■ Vision 100 | Dial-Up | Triton Variant | Certified |

Communications Adapters

| Model | Terminal Type/ Model | Comm Type | Message Format | Status |
|-------------------------|-------------------------|------------------|-----------------|-----------|
| Contour Networks | | | | |
| ■ JBM A2201 | Hyosung Nautilus / All | Dial-Up-to-TCPIP | Standard 1 | Certified |
| ■ Systech IPG-7310 | Hyosung Nautilus / All | Dial-Up-to-TCPIP | Standard 1 | Certified |
| ■ Systech IPG-7310 | Tranax / All | Dial-Up-to-TCPIP | Standard 1 | Certified |
| Datawire | | | | |
| ■ 960AS | Triton / 9700 | Dial-Up-to-TCPIP | Triton Standard | Certified |
| ■ Micronode 960AS | Tidel / All | Dial-Up-to-TCPIP | Tidel Standard | Tested |
| ■ Micronode 960AS | Triton / All | Dial-Up-to-TCPIP | Triton Standard | Tested |
| DPL Group | | | | |
| ■ Hercules+ | Tidel / IS 2000 | Dial-Up-to-GSM | Diebold Variant | Certified |
| ■ Hercules+ | Triton / 9700 | Dial-Up-to-GSM | Diebold Variant | Tested |
| ■ Hercules+ | Tranax / MB 1500 | Dial-Up-to-GSM | Triton Standard | Tested |
| ■ Hercules+ | Tranax / MB-x4000 | Dial-Up-to-GSM | Triton Standard | Certified |
| ■ Hercules+ | Triton / 9700 | Dial-Up-to-GSM | Tidel Standard | Certified |

| Model | Terminal Type/ Model | Comm Type | Message Format | Status |
|---------------------------|-------------------------|------------------|-----------------|-----------|
| FusionPoint | | | | |
| ■ ConverterPoint | Triton / All | Dial-Up-to-TCPIP | Diebold Variant | Certified |
| ■ ConverterPoint | Tranax / All | Dial-Up-to-TCPIP | Triton Standard | Certified |
| ■ ConverterPoint | Tidel / All | Dial-Up-to-TCPIP | Tidel Standard | Certified |
| JBM Electronics | | | | |
| ■ C-21 | Triton / All | Dial-Up-to-TCPIP | Diebold Variant | Tested |
| ■ C-21 | Tranax / All | Dial-Up-to-TCPIP | Triton Standard | Tested |
| System Corporation | | | | |
| ■ IPG-7000 | Tidel / All | Dial-Up-to-TCPIP | Triton Standard | Tested |
| ■ IPG-7000 | Tranax / All | Dial-Up-to-TCPIP | Tidel Standard | Tested |
| ■ IPG-7000 | Triton / All | Dial-Up-to-TCPIP | Diebold Variant | Tested |
| Ventus | | | | |
| ■ Cellular Solution | Triton / All | Dial-Up-to-CDMA | Triton Standard | Certified |
| ■ Cellular Solution | NCR / @tmEASE | Dial-Up-to-CDMA | Diebold Variant | Certified |
| ■ Cellular Solution | Lipman USA / 6000 | Dial-Up-to-CDMA | Tidel Standard | Certified |

| Model | Terminal Type/ Model | Comm Type | Message Format | Status |
|---------------------|---------------------------------|-----------------|-----------------|-----------|
| ■ Cellular Solution | Tranax / All | Dial-Up-to-CDMA | Triton Variant | Certified |
| ■ Cellular Solution | Diebold / All | TCP-to-CDMA | Triton TCPIP | Certified |
| ■ Cellular Solution | Triton / RL5000 | TCP-to-CDMA | Diebold 912 | Certified |
| ■ Cellular Solution | Tidel / All | | | |
| ■ VFN2000C | Tranax / MB 1500 | Dial-Up-to-CDMA | Diebold Variant | Certified |
| ■ VFN2000C | Lipman USA / 8100 | Dial-Up-to-CDMA | Triton Variant | Certified |
| ■ VFN2000C | Triton / RL5000 | Dial-Up-to-CDMA | Triton Standard | Certified |
| ■ VFN2000I | Diebol / All | TCP-to-CDMA | Diebold 912 | Certified |
| ■ VFN2000X | Hyosung Nautilus / MX-5300XP | TCP-to-CDMA | Diebold 912 | Transfer |
| ■ VFN2000X | Hyosung Nautilus / MX-7000D | TCP-to-CDMA | Diebold 912 | Certified |

Encryption

| Model | Terminal Type/ Model | Comm Type | Message Format | Status |
|---------------------------------|-------------------------|-----------|-------------------|-----------|
| ATM Exchange | | | | |
| ■ 3 DES Plus XP | ■ NCR / All | Dial-Up | NDC | Tested |
| Pi Systems International | | | | |
| ■ 3 DES Fix | ■ Diebold /All | Dial-Up | NDC | Tested |
| ■ 3 DES Fix | ■ NCR / All | Dial-Up | Diebold 912 | Tested |
| ■ 3 DES Fix | ■ NCR / All | Lantronix | Diebold 910/911 | Certified |
| ■ 3 DES Fix | ■ Diebold /All | Lantronix | 910/911 Emulation | Certified |
| ■ 3 DES Fix | ■ Diebold /All | TCPIP | Diebold 912 | Certified |

Script

| Model | Comm Type | Message Format | Status |
|-------------------|-----------|-----------------|-----------|
| Lipman USA | | | |
| ■ 2085 | Dial-Up | Triton Standard | Certified |
| ■ 6100 Kiosk | Dial-Up | Triton Standard | Certified |
| ■ 8100 | Dial-Up | Triton Standard | Certified |

Additional Notes

Definitions

| Category | Description |
|------------------|--|
| All | <ul style="list-style-type: none"> ■ Software versions listed represent the most recently certified version. |
| Comm Type | <ul style="list-style-type: none"> ■ The method used by the terminal to communicate to the host. ■ CDMA - A connection from the terminal to the processor using cellular wireless communication. ■ Dial-Up - A connection from the terminal to the processor over standard telephone lines, using a modem. ■ Lantronix - A network connection from the terminal to the processor, which encapsulates TC500 communication within TCPIP. ■ TCPIP - (Transmission Control Protocol/Internet Protocol). A network connection from the terminal to the processor. ■ GSM/GPRS - A connection from the terminal to the processor using cellular wireless communications. |

Definitions

| Category | Description |
|---------------|---|
| DES | <ul style="list-style-type: none"> ■ Data Encryption Standard ■ Single DES (1) - Encrypts and decrypts information based on a secret key that is 56 bits in length. ■ Note that the new single-DES terminals may not be activated on this platform, and existing single-DES terminals need to be upgraded to or replaced with Triple-DES compliant equipment. ■ Triple-DES (3) - Encrypts data three times. Three 64-bit keys are used instead of one, for an overall key length of 192 bits. The first encryption is encrypted with the second key, and the resulting cipher text is again encrypted with a third key. |
| Status | <ul style="list-style-type: none"> ■ Certified - A certified terminal or device is fully supported by First Data. ■ Tested - A tested device has been found to not cause problems or degradation of the performance of the switch. Allowing the device to be used does not constitute an endorsement or warranty regarding the functionality, quality or performance of the device. ■ Transfer - The manufacturer has certified that this device uses the same hardware and software as another existing device which has already received certification. ■ FDC is not responsible for the performance of any tested device, and , in case of problems, will recommend removal of the device. Support for this product is provided by the manufacturer. |

Definitions

| Category | Description |
|-------------|--|
| Type | <ul style="list-style-type: none">■ ATM - A terminal physically capable of dispensing currency.■ Script - A terminal that does not dispense currency but prints a receipt, which is presented to a cashier who pays out the funds.■ Comm - A device that modifies the manner in which a terminal communicates. These devices usually convert from one protocol to another.■ Encryption - A device that replaces the manufacturer supplied PIN pad with a custom solution, generally for upgrades from Single DES to Triple DES. |
| VAS | <ul style="list-style-type: none">■ Value Added Services - Includes products such as prepaid phone cards, money transfers, check cashing, and casino cash services. Please check with your sales representative to determine what additional products are available. |

Chapter 2

Vendors

ATM Exchange

3920 Virginia Avenue

Cincinnati, OH 45227

513-272-1081

<http://www.atmex.com>

Models

ATM Exchange - 3DES Plus XP / Type: Encryption

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|---------------------|----------|--------|---------------------|------------------|----------------|-------------------------|-----------|------------------------|-------------|
| 3DES Plus XP | 02/09/06 | Tested | NCR | ALL | NDC | 1.0 | Dial-Up | Yes | No |

Note: Test terminal was not capable of performing partial reversal. No support for "3-in-1" type transactions.

Cash Systems

7350 Dean Martin Drive, Suite 309

Las Vegas, NV 89139

702-987-7169

<http://www.cashsystemsinc.com>

Models

Cash Systems - 1064ix / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------|-----------|----------------|---------|-----|-----------|-------------------|----------------|-------|
| 1064ix | 08/10/05 | Diebold 912 | 2.07 | 3 | TCPIP | Yes | Casino Cash | None |

Cash Systems - Opteva / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------|-----------|----------------|---------|-----|-----------|-------------------|----------------|-------|
| Opteva | 05/20/06 | Diebold 912 | 2.06 | 3 | TCPIP | Yes | Casino Cash | None |

Contour Networks

1349 West Peachtree NW, Suite 1740

Atlanta, GA 30309

404-347-8350

<http://www.contournetworks.com>

Models

Contour Networks - JBM A2201 / Type: Communications Adapter

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|------------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-------------------------|------------------------|-------------|
| JBM A2201 | 02/05/10 | Certified | Hyosung Nautilus | All | Standard 1 | 3.01 | Dialup- to- TCPIP | Yes | None |

Contour Networks - Systech IPG-7310 / Type: Communications Adapter

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|-------------------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-------------------------|------------------------|-------------|
| Systech IPG-7310 | 02/12/10 | Certified | Hyosung Nautilus | All | Standard 1 | 02C.44 | Dialup- to- TCPIP | Yes | None |

Contour Networks - Systech IPG 7310 / Type: Communications Adapter

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|-------------------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-----------------|------------------------|-------------|
| Systech IPG-7310 | 02/26/10 | Certified | Tranax | All | Standard 1 | 02C.44 | Dialup-to-TCPIP | Yes | None |

Datawire

10 Carlson Court, Suite 300

Toronto, Ontario M9W 6L2

416-213-2001

<http://www.datawire.net>

Models

Datawire - 960AS / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|--------------|----------|-----------|---------------------|------------------|-----------------|-------------------------|--------------------|------------------------|-------------|
| 960AS | 05/30/07 | Certified | Triton | 9700 | Triton Standard | CONCORD 960.4-00 | Dial-Up -to- TCPIP | Yes | No |

Datawire - Micronode 960AS / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|--|----------|--------|---------------------|------------------|-----------------|-------------------------|--------------------|------------------------|-------------|
| Micro-node 960AS | 11/21/06 | Tested | Triton | All | Triton Standard | CONCORD 960.3-21 | Dial-Up -to-TCPIP | Yes | No |
| Note: Triton WAVES transactions are not supported. | | | | | | | | | |
| Micro-node 960AS | 11/27/06 | Tested | Tidel | All | Tidel Standard | CONCORD 960.3-21 | Dial-Up -to-TCP IP | Yes | No |
| Note: Tidel PrePaid Products is not supported. | | | | | | | | | |

Diebold

5995 Mayfair Road, P.O. Box 3077

North Canton, OH 44720

800-999-3600

<http://www.diebold.com>

Models

Diebold - 10xx Series / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------------------|-----------|-----------------|---------|-----|-----------|-------------------|------|-------|
| 10xx Series | | Diebold 912 | | 1/3 | TCPIP | Yes | None | None |
| 10xx Series | | Diebold 912 | | 1/3 | Dial-Up | Yes | None | None |
| 10xx Series | | Diebold 910/911 | | 1/3 | Lantronix | Yes | None | None |

Diebold - Opteva 7xx / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------------|-----------|----------------|--------------------|-----|-----------|-------------------|------|-------|
| Opteva 7xx | 10/07/03 | Diebold 912 | Agilis 1.0.0.12 | 1/3 | TC500 | Yes | None | None |
| Opteva 7xx | 10/07/03 | Diebold 912 | Agilis 1.0.0.12 | 1/3 | TCPIP | Yes | None | None |

DPL Group

580 Main Street, Suite B222

St. John, NB E2K 1J5

800-561-8880

<http://www.dpl.ca>

Models

DPL Group - Hercules+ / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS |
|------------------|----------|--------|---------------------|------------------|-----------------|-----------------------------|------------------------|------------------------|-----|
| Hercules+ | 01/24/07 | Tested | Triton | 9700 | Triton Standard | TRACKER ATM400R 4A_20 | Dial-Up -to- GSM | Yes | No |

DPL Group - Hercules+ / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS |
|--|----------|-----------|---------------------|------------------|-----------------|-------------------------|------------------|------------------------|-----|
| Hercules+ | 01/24/07 | Certified | Tidel | IS 2000 | Tidel Standard | TRACKER ATM400R 4A_20 | Dial-Up -to- GSM | Yes | No |
| Hercules+ | 01/29/07 | Tested | Tranax | MB-x4000 | Diebold Variant | TRACKER ATM400R 4A_20 | Dial-Up -to- GSM | No | No |
| Hercules+ | 04/04/07 | Certified | Tranax | MB 1500 | Diebold Variant | TRACKER ATM400R 4A | Dial-Up -to- GSM | Yes | No |
| Note: Status monitoring message is only sent with heartbeat message. | | | | | | | | | |
| Hercules+ | 04/10/07 | Certified | Triton | 9700 | Triton Standard | TRACKER ATM400R 4A | Dial-Up -to- GSM | Yes | No |

FastFunds

11100 Wayzata Boulevard, Suite 111

Minnetonka, MN 55305

800-333-9874

<http://www.fastfunds.com>

Models

FastFunds - Diebold 1064 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------------|-----------|-------------|----------------|-----|-----------|-------------------|-------------|-------|
| Diebold 1064 | 07/18/05 | Diebold 912 | Multiguard 1.6 | 3 | TCPIP | Yes | Casino Cash | None |

FastFunds - Diebold Opteva 7xx / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------------------|------------------|---------------|--------------------|------------|------------------|--------------------------|-------------|--------------|
| Diebold Opteva 7xx | 08/11/04 | Diebold 912 | Multiguard 1.0.0.5 | 3 | TCPIP | Yes | Casino Cash | None |

FusionPoint

703-453-8559

<http://www.tnsi.com>

Models

FusionPoint - ConverterPoint / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|------------------------|------|-----------|---------------------|------------------|-----------------|-------------------------|--------------------|------------------------|-------------|
| Converter Point | | Certified | Tidel | All | Tidel Standard | 1.1.22 | Dial-Up -to- TCPIP | Yes | WU |
| Converter Point | | Certified | Triton | All | Triton Standard | 1.1.22 | Dial-Up -to- TCPIP | Yes | No |
| Converter Point | | Certified | Tranax | All | Diebold Variant | 1.1.22 | Dial-Up -to- TCPIP | No | No |

Glory

10 York Avenue

West Caldwell, NJ 07006

<http://www.glory-international.com/mini atm>

Models

Glory - Hi-Cash PZ-Z1 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------------------------|-----------|--------------------|---------|-----|-----------|-------------------|-----|-------|
| Hi-Cash PZ-Z1 | 02/13/03 | Triton Standard | 2.1 | 1/3 | Dial-Up | No | No | None |

Greenlink

1212 Royal Parkway

Eules, TX 76040

817-946-4301

<http://www.merlinatm.com>

Models

Greenlink - 3D53 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------|-----------|----------------|----------------|-----|-----------|-------------------|-----|-------|
| 3D53 | 06/06/05 | Triton Variant | 1.0.1.7 | 3 | Dial-Up | No | No | None |
| 3D53 | 10/13/05 | Triton Variant | 3D-0001. AA | 3 | TCPIP | No | No | None |

Greenlink - Merlin / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------|-----------|----------------|-----------------|-----|-----------|-------------------|-----|-------|
| Merlin | 06/03/03 | Triton Variant | F-11-3D-0 5B | 1/3 | Dial-Up | No | No | None |

Greenlink - TTW 1000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| TTW 1000 | | Triton Variant | | 1/3 | Dial-Up | Yes | No | None |

Greenlink - TTW 2000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| TTW 2000 | | Triton Variant | | 1/3 | Dial-Up | Yes | No | None |

Greenlink - TTW 2500 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| TTW 2500 | | Triton Variant | | 1/3 | Dial-Up | Yes | No | None |

Hyosung Nautilus

1025 South Belt Line Road, Building One, Suite 40

Coppell, TX 75019

972-350-7650

<http://www.nautilus.hyosung.com>

Models

Hyosung Nautilus - 5000CE / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------|-----------|---------------|---------|-----|-----------|-------------------|-----|--|
| 5000CE | 03/07/08 | Standard 3 | 1.2.29 | 3 | TCPIP | No | No | Terminal will not come online without cassette present. No support at this time for status monitoring. |
| 5000CE | 03/24/08 | Standard 1 | 1.2.29 | 3 | TCPIP | No | No | Terminal will not come online without cassette present. No support at this time for status monitoring. |

Hyosung Nautilus - Monimax 5000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|--|
| Monimax 5000 | 06/13/07 | Diebold Variant | 01.02.08 | 3 | Dial-Up | Yes | No | This is a transfer of certification from the Hyosung NH-5050 due to name change. |

Hyosung Nautilus - Monimax 5000CE / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------------|-----------|------------|-----------|-----|-----------|-------------------|-----|---|
| Monimax 5000CE | 04/11/08 | Standard 3 | V01.02.29 | 3 | Dial-Up | No | No | Status monitoring not certified at this time. |

Hyosung Nautilus - MX-5100 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|---------------|---------------|-----|-----------|-------------------|-----|--|
| MX-5100 | 03/25/09 | Standard 1 | V01.03. 05 | 3 | Dial-Up | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |
| MX-5100 | 03/27/09 | Standard 3 | V01.03. 05 | 3 | TCPIP | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |

Hyosung Nautilus - MX-5100T / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|---------------|-----|-----------|-------------------|-----|--|
| MX-5100T | 01/12/09 | Standard 1 | V01.03. 05 | 3 | Dial-Up | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|---------------|-----|-----------|-------------------|-----|--|
| MX-5100T | 01/12/09 | Standard 3 | V01.03. 05 | 3 | TCPIP | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |

Hyosung Nautilus - MX5300CE / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|---------|-----|-----------|-------------------|-----|--|
| MX5300CE | 06/26/09 | Standard 1 | 1.2.29 | 3 | TCPIP | No | No | This is a transfer of certification from the MX5000CE. The manufacturer has stated that these terminal models both use the same hardware and software. |
| MX5300CE | 06/26/09 | Standard 3 | 1.2.29 | 3 | TCPIP | No | No | This is a transfer of certification from the MX5000CE. The manufacturer has stated that these terminal models both use the same hardware and software. |

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|---------|-----|-----------|-------------------|-----|--|
| MX5300CE | 06/26/09 | Standard 3 | 1.2.29 | 3 | Dial-Up | No | No | This is a transfer of certification from the MX5000CE. The manufacturer has stated that these terminal models both use the same hardware and software. |

Hyosung Nautilus - MX5300XP / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|---------------|-----|-----------|-------------------|-----|--|
| MX5300XP | 03/27/09 | Standard 1 | V01.03. 05 | 3 | Dial-Up | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |
| MX5300XP | 03/25/09 | Standard 3 | V01.03. 05 | 3 | TCPIP | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|--------|--------------------|-----|-----------|-------------------|-----|--|
| MX5300XP | 07/29/09 | 912 | V04.02. 05 R205 | 3 | TCPIP | Yes | No | Transfer of certification from MX-7000D. Hyosung confirms that hardware and software are the same. |

Hyosung Nautilus - MX-7000D / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|---------------|--------------------|-----|-----------|-------------------|-----|---------------------------------|
| MX-7000D | 03/27/09 | Standard 1 | V01.03. 05 | 3 | Dial-Up | Yes | No | Deposit function not supported. |
| MX-7000D | 03/25/09 | Standard 3 | V01.03. 05 | 3 | TCPIP | Yes | No | Deposit function not supported. |
| MX-7000D | 07/29/09 | 912 | V04.02. 05 R205 | 3 | TCPIP | Yes | No | Certified |

Hyosung Nautilus - NH-1500 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|--|
| NH-1500 | 03/14/07 | Diebold Variant | 11.00.00 | 3 | Dial-Up | Yes | No | Status monitoring message is only sent with heartbeat. |

Hyosung Nautilus - NH-1800 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|------------------|-----------|------------|-----------|-----|-----------|-------------------|-----|--|
| NH-1800 | 04/28/08 | Standard 1 | V31.20.09 | 3 | Dial-Up | Yes | No | |
| NH-1800 | 05/30/08 | Standard 3 | V31.20.10 | 3 | Dial-Up | Yes | No | |
| NH-1800CE | 06/26/09 | Standard 1 | V01.02.29 | 3 | TCPIP | No | No | This is a transfer of the certification from the MX5000CE. |

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------|-----------|------------|-----------|-----|-----------|-------------------|-----|--|
| NH-1800CE | 06/26/09 | Standard 3 | V01.02.29 | 3 | TCPIP | No | No | This is a transfer of the certification from the MX5000CE. |
| NH-1800CE | 06/26/09 | Standard 3 | V01.02.29 | 3 | Dial-Up | No | No | This is a transfer of the certification from the MX5000CE. |

Hyosung Nautilus - NH-2100T / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------|-----------|-----------------|-----------|-----|-----------|-------------------|-----|--|
| NH-2100T | 11/21/07 | Diebold Variant | VA0.00.04 | 3 | Dial-Up | Yes | No | This is a transfer of the certification from the Tranax MB-2100. |
| NH-2100T | 05/16/08 | Standard 1 | VA1.00.07 | 3 | Dial-Up | Yes | No | |

Hyosung Nautilus - NH-5010 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------|-----------|---------------|-----------|-----|-----------|-------------------|-----|-------|
| NH-5010 | 04/28/08 | Standard 1 | V31.20.09 | 3 | Dial-Up | Yes | No | |
| NH-5010 | 05/30/08 | Standard 3 | V31.20.10 | 3 | Dial-Up | Yes | No | |

Hyosung Nautilus - NH-5050 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------|-----------|--------------------|----------|-----|-----------|-------------------|-----|--|
| NH-5050 | 06/13/07 | Diebold Variant | 01.02.08 | 3 | Dial-Up | Yes | No | Certified with status monitoring, but feature is not yet enabled on First Data Retail ATM website. |

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|---------------|---------|-----|-----------|-------------------|-----|--|
| NH-5050 | 03/07/08 | Standard 3 | 1.2.29 | 3 | TCPIP | No | No | Terminal will not come online without cassette present. No support at this time for status monitoring. Includes NH-5050, NH-5050CE, NH-5050XP, NH-5050G. |
| NH-5050 | 03/24/08 | Standard 1 | 1.2.29 | 3 | TCPIP | No | No | Terminal will not come online without cassette present. No support at this time for status monitoring. Includes NH-5050, NH-5050CE, NH-5050XP, NH-5050G. |

JBM Electronics

4645 LaGuardia

St. Louis, MO 63134

800-489-7781

<http://www.jbmelectronics.com>

Models

JBM Electronics - C-21 / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Support |
|---|----------|--------|---------------------|------------------|-----------------|-------------------------|--------------------------|------------------------|-------------|
| C-21* | 06/27/06 | Tested | Triton | All | Triton Standard | C21 2.05.02 | Dial-Up -to- TCPIP | Yes | No |
| *Note: Triton WAVES transactions are not supported. | | | | | | | | | |
| C-21 | 06/28/06 | Tested | Tranax | All | Diebold Variant | C21 2.05.02 | Dial-Up -to- TCPIP | Yes | No |

Lipman USA

50 Gordon Drive

Syosset, NY 11791

516-484-9898

<http://www.lipmanusa.com>

Models

Lipman USA - 2085 / Type: Script

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|--------------------|---------------|-----|-----------|-------------------|-----|-------|
| 2085 | 12/09/03 | Triton Standard | CDR SCRIPT | 1/3 | Dial-Up | No | No | |

Lipman USA - 6000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|--------------------|----------------|-----|-----------|-------------------|-----|-------|
| 6000 | 06/19/03 | Triton Standard | CDRATM 4.14 | 1/3 | Dial-Up | No | No | |

Lipman USA - 6100 Kiosk / Type: Script

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------------|-----------|-----------------|------------|-----|-----------|-------------------|-----|-------|
| 6100 Kiosk | 12/08/03 | Triton Standard | CDRSCR 414 | 1/3 | Dial-Up | No | No | |

Lipman USA - 8100 / Type: Script

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------|-----------|-----------------|-----------------|-----|-----------|-------------------|-----|-------|
| 8100 | 03/04/05 | Triton Standard | COREDATA 04.14A | 3 | Dial-Up | No | No | |

NCR

1700 S. Patterson Boulevard

Dayton, OH 45479

800-225-5627

<http://www.ncr.com>

Models

NCR - @tmEASE / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------|-----------|----------------|---------|-----|-----------|-------------------|-----|--|
| @tmEASE | 10/25/05 | Triton Variant | 3.0 | 3 | Dial-Up | No | No | Known bug: NCR has been informed of a flaw in their 3.0 version which causes the ATM to not display a negative sign for the balance when performing a cash withdrawal. |

NCR - 5xxx Series / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------------------|-----------|-------------------|---------|-----|-----------|-------------------|-----|-------|
| 5xxx Series | | 910/911 Emulation | | 1/3 | Lantronix | Yes | No | |
| 5xxx Series | | NDC | | 1/3 | TCPIP | Yes | No | |
| 5xxx Series | | NDC | | 1/3 | Dial-Up | Yes | No | |

NCR - EasyPoint 57 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------------|-----------|--------|-------------|-----|-----------|-------------------|-----|-------|
| EasyPoint 57 | 04/07/05 | NDC+ | 05.05.00.03 | 3 | Dial-Up | Yes | No | |

Nextran

57 Romanelli Avenue

S. Hackensack, NJ 07606

201-498-0707

<http://www.nextran.net>

Models

Nextran - Comnet 1000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------------------|-----------|-----------------|------------------|-----|-----------|-------------------|-----|-------|
| Comnet 1000 | 05/28/03 | Diebold Variant | A03-2003 0515 | 1/3 | Dial-Up | No | No | |

Nextran - Comnet 4000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------------------|-----------|-----------------|-------------------|-----|-----------|-------------------|-----|-------|
| Comnet 4000 | 05/02/03 | Diebold Variant | A01-2003 05140 | 1/3 | Dial-Up | No | No | |

Nextran - Extremo / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|-----------------|----------------|-----|-----------|-------------------|-----|-------|
| Extremo | 02/28/05 | Diebold Variant | A2K1001-050218 | 3 | Dial-Up | Yes | No | |

Pi Systems International

1555 Avenue S, Suite 108

Grand Prairie, TX 75050

972-314-5000

<http://www.pisystems.com>

Models

Pi Systems International - 3 DES Fix / Type: Encryption

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|---|----------|-----------|---------------------|------------------|-------------------|-------------------------|------------|------------------------|----------|
| 3 DES Fix | 05/25/05 | Certified | Diebold | All | Diebold 910/911 | | Lan-tronix | Yes | No |
| Note: Live certification. Limited tests were performed. | | | | | | | | | |
| 3 DES Fix | 06/29/05 | Certified | Diebold | All | Diebold 912 | | TCPIP | Yes | No |
| 3 DES Fix | 07/07/05 | Certified | NCR | All | 910/911 Emulation | | Lan-tronix | Yes | No |
| Note: Live certification. Limited tests were performed. | | | | | | | | | |

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-------|------|--------|---------------------|------------------|----------------|-------------------------|-----------|------------------------|----------|
|-------|------|--------|---------------------|------------------|----------------|-------------------------|-----------|------------------------|----------|

| | | | | | | | | | |
|------------------|----------|--------|-----|-----|-----|-------|---------|-----|----|
| 3 DES Fix | 02/27/06 | Tested | NCR | All | NDC | 5.2.1 | Dial-Up | Yes | No |
|------------------|----------|--------|-----|-----|-----|-------|---------|-----|----|

Note: Test terminal was incapable of performing a partial dispense. If device power fails, it will send a powerfail and ask for a download.

| | | | | | | | | | |
|------------------|----------|--------|---------|-----|-------------|---------|---------|-----|----|
| 3 DES Fix | 05/09/06 | Tested | Diebold | All | Diebold 912 | 5.2.1CD | Dial-Up | Yes | No |
|------------------|----------|--------|---------|-----|-------------|---------|---------|-----|----|

Note: After card swipe, terminal displays "Please Wait: for about 10-15 seconds. Manufacturer will not guarantee that terminal will work if device has power failure but terminal does not. After a transaction, if the terminal calls with a Ready9 and card is swiped during that call, the screen will display "Please Wait" for a couple minutes before timing out. Manufacturer has been informed of this.

Premier Money Centers

2201 Civic Circle, Suite 705

Amarillo, TX 79109

806-322-5555

<http://www.financialpayments.com>

Models

Premier Money Centers - Tidel 3800XP / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------------------|-----------|-------------------|---------|-----|-----------|-------------------|-----|-------|
| Tidel 3800XP | 05/19/04 | Triton Variant | 1.1.41 | 3 | TCPIP | No | No | |

Qualtex

1229 W. Washington Boulevard, 4th Floor

Chicago, IL 60607

888-272-4325

<http://www.qualtexcorp.com>

Models

Qualtex - MBC-1031 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|----------------|----------|-----|-----------|-------------------|-----|-------|
| MBC-1031 | 08/18/03 | Triton Variant | M113D05K | 3 | Dial-Up | No | No | |

Qualtex - WeatherMaster / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------------|-----------|----------------|-----------|-----|-----------|-------------------|-----|-------|
| Weather Master | 08/18/03 | Triton Variant | Q113D305B | 1/3 | Dial-Up | No | No | |

Synkey

11731 Telegraph Road, Suite E

Santa Fe Spring, CA 0670

562-942-7740

<http://www.synkey.com>

Models

Synkey - 6221 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| 6221 | 03/19/04 | Diebold Variant | CD5.16 | 1/3 | Dial-Up | No | No | |

Synkey - 6230 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|-----------------|-----------|-----|-----------|-------------------|-----|-------|
| 6230 | 03/19/04 | Diebold Variant | XPCD 1.06 | 1/3 | Dial-Up | No | No | |

Synkey - 6240 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| 6240 | 03/18/04 | Diebold Variant | 040309 | 1/3 | Dial-Up | No | No | |

Systech Corporation

16510 Via Esprillo

San Diego, CA 92127

800-800-8970

<http://www.systech.com>

Models

Systech Corporation - IPG-7000 / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|--------|---------------------|------------------|-----------------|-------------------------|------------------|------------------------|----------|
| IPG-7000 | 02/22/06 | Tested | Tranax | All | Diebold Variant | 02C.17 | Dial-Up-to-TCPIP | Yes | No |
| IPG-7000 | 03/06/06 | Tested | Triton | All | Triton Standard | 02C.17 | Dial-Up-to-TCPIP | Yes | No |

Note: Triton WAVES transactions are not supported.

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|--------|---------------------|------------------|----------------|-------------------------|------------------|------------------------|----------|
| IPG-7000 | 04/17/06 | Tested | Tidel | All | Tidel Standard | 02C.21 | Dial-Up-to-TCPIP | Yes | No |

Tidel

2025 W. Belt Line Road, #114

Carrollton, TX 75006

972-484-3358

<http://www.tidel.com>

Models

Tidel - 3100 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| 3100 | 10/19/04 | Tidel TCPIP | 6.96 | 1/3 | TCPIP | Yes | No | |

Tidel - 3400 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| 3400 | 10/19/04 | Tidel TCPIP | 6.96 | 1/3 | TCPIP | Yes | No | |

Tidel - IS 2000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|------------------|----------------|----------------|------------|------------------|--------------------------|------------|--------------|
| IS 2000 | 04/19/04 | Tidel Standard | 04.10 | 1/3 | Dial-Up | Yes | No | |

Tranax

44320 Nobel Drive

Fremont, CA 94538

888-340-2484

<http://www.tranax.com>

Models

Tranax - MB 2500 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-----------------------------------|
| MB 2500 | 01/15/04 | Diebold Variant | 01.00.03 | 1/3 | Dial-Up | No | No | |
| MB 2500 | 06/25/04 | Diebold Variant | 01.01.22 | 1/3 | Dial-Up | No | No | |
| MB 2500 | 02/24/05 | Triton Standard | 01.02.04 | 1/3 | Dial-Up | Yes | No | Supports Triton status messaging. |

Tranax MB-1700 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| MB-1700 | 10/05/07 | Diebold Variant | 02.20.03 | 3 | Dial-Up | Yes | No | |

Tranax - MB-c4000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| MB-c4000 | 02/10/06 | Diebold Variant | 01.00.08 | 3 | Dial-Up | No | No | |

Tranax - MB-e4000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| MB-e4000 | 12/06/05 | Diebold Variant | 01.04.07 | 3 | Dial-Up | No | No | |

Tranax MBS2100 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| MBS2100T | 11/02/04 | Diebold Variant | A0.00.04 | 3 | Dial-Up | No | No | |

Tranax - MBS5000 TCPIP / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------|-----------|-----------------|----------|-----|-----------|-------------------|-----|----------------------|
| MBS5000 TCPIP | 06/09/04 | Diebold Variant | 01.01.24 | 1/3 | TCPIP | No | No | |
| MBS5000 TCPIP | 10/08/04 | NDC | 2.0.81 | 3 | TCPIP | Yes | No | Supports depository. |

Tranax - MB-x4000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| MB-x4000 | 10/23/06 | Diebold Variant | 01.00.00 | 3 | Dial-Up | No | No | |

Trantech

1424 W. Sam Houston Parkway

Houston, TX 77043

877-629-6400

<http://www.trantechatm.com>

Models

Trantech - TRT-2000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------|-----------|-----------------|----------|-----|-----------|-------------------|-----|-------|
| TRT-2000 | 06/20/08 | Triton Standard | 01.02.45 | 3 | Dial-Up | Yes | No | |

Triton

522 East Railroad Street

Long Beach, MS 39560

228-868-1317

<http://www.tritonatm.com>

Models

Triton - 9100 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| 9100 | | Triton Standard | | 1/3 | Dial-Up | Yes | No | |

Triton - 9640 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|-----------------|--------------|-----|-----------|-------------------|-----|-------|
| 9640 | 03/12/03 | Triton Standard | UD-990010.13 | 1/3 | Dial-Up | No | No | |

Triton - 9700 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|-----------------|------------------|-----|-----------|-------------------|-----|-------|
| 9700 | 07/21/03 | Triton TCPIP | ZD- 990077.01 | 1/3 | TCPIP | Yes | No | |

Triton - 9750 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------|-----------|--------------------|---------|-----|-----------|-------------------|-----|-------|
| 9750 | | Triton Standard | | 1/3 | Dial-Up | Yes | No | |

Triton - FT5000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------|-----------|--------------------|---------|-----|-----------|-------------------|-----|-------|
| FT5000 | 12/10/03 | Triton Standard | 1.1 | 1/3 | Dial-Up | Yes | No | |
| FT-5000 | 08/01/05 | Triton TCPIP | 1.5.3 | 3 | TCPIP | Yes | No | |

Triton - Mako / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-------------|-----------|-----------------|--------------|-----|-----------|-------------------|-----|-------|
| Mako | 10/30/06 | Triton Standard | ND-990003.15 | 3 | Dial-Up | Yes | No | |

Triton - RL1600 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| RL-1600 | 02/25/09 | Triton TCPIP | 2.2.2 | 3 | TCPIP | Yes | No | |
| RL-1600 | 02/26/09 | Triton Standard | 2.2.2 | 3 | Dial-Up | Yes | No | |

Triton - RL2000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| RL2000 | 11/09/07 | Triton Standard | 2.0.0 | 3 | Dial-Up | Yes | No | |

Triton - RL5000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------|-----------|-----------------|---------|-----|-----------|-------------------|-----|-------|
| RL5000 | 12/10/03 | Triton Standard | 1.1 | 1/3 | Dial-Up | Yes | No | |
| RL5000 | 08/01/05 | Triton TCPIP | 1.5.3 | 3 | CDMA | Yes | No | |

Triton - RL5000XP / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------|-----------|-------------|---------|-----|-----------|-------------------|-----|-------|
| RL5000XP | | Diebold 912 | | 3 | TCPIP | Yes | No | |

Ventus

800 Connecticut Avenue, 1st Floor West

Norwalk, CT 06854

203-642-2800

<http://www.ventusnetworks.com>

Models

Ventus - Cellular Solution / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|--------------------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-------------------|------------------------|----------|
| Cellular Solution | 08/12/04 | Certified | NCR | @tmEASE | Triton Variant | | Dial-Up -to- CDMA | No | No |
| Cellular Solution | 08/27/04 | Certified | Lipman USA | 6000 | Triton Variant | | Dial-Up -to- CDMA | No | No |
| Cellular Solution | 10/05/04 | Certified | Tidel | All | Tidel Standard | | Dial-Up -to- CDMA | Yes | WU |

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|--------------------------|----------|-----------|---------------------|------------------|-----------------|-------------------------|-------------------|------------------------|----------|
| Cellular Solution | 10/06/04 | Certified | Tranax | All | Diebold Variant | | Dial-Up -to- CDMA | No | No |
| Cellular Solution | 04/13/05 | Certified | Diebold | All | Diebold 912 | | TCP-to -CDMA | Yes | No |
| Cellular Solution | 04/14/05 | Certified | Triton | RL5000 | Triton TCPIP | | TCP-to -CDMA | Yes | No |
| Cellular Solution | 04/14/05 | Certified | Triton | All | Triton Standard | | Dial-Up -to- CDMA | Yes | No |

Ventus - VFN2000C / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|-----------|---------------------|------------------|-----------------|-------------------------|-------------------|------------------------|----------|
| VFN2000C | 07/18/05 | Certified | Triton | RL5000 | Triton Standard | | Dial-Up -to- CDMA | Yes | No |

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|-----------|---------------------|------------------|-----------------|-------------------------|------------------|------------------------|----------|
| VFN2000C | 07/19/05 | Certified | Tranax | MB 1500 | Diebold Variant | | Dial-Up -to-CDMA | Yes | No |
| VFN2000C | 07/21/05 | Certified | Lipman USA | 8100 | Triton Variant | | Dial-Up -to-CDMA | No | No |

Note: 8100 script only.

Ventus - VFN2000I / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-------------|------------------------|----------|
| VFN2000I | 07/12/05 | Certified | Diebold | All | Diebold 912 | | TCP-to-CDMA | Yes | No |

Ventus - VFN2000X / Type: Communications Adapters

| Model | Date | Status | Supported Terminals | Supported Models | Message Format | Device Software Version | Comm Type | Status Monitor Support | VAS Sppt |
|-----------------|----------|-----------|---------------------|------------------|----------------|-------------------------|-------------|------------------------|----------|
| VFN2000X | 07/29/09 | Transfer | Hyosung Nautilus | MX-5300XP | Diebold 912 | X2.0.35 | TCP-to-CDMA | Yes | No |
| VFN2000X | 07/29/09 | Certified | Hyosung Nautilus | MX-7000D | Diebold 912 | X2.0.35 | TCP-to-CDMA | Yes | No |

Western Money Systems

620 Kresge Lane

Sparks, NV 89431

800-531-2646

<http://www.westernmoney.com>

Models

Western Money Systems - CXSATM / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|--------|-----------|-------------------|---------|-----|-----------|-------------------|-----|-------|
| CSXATM | 02/02/06 | Triton IP Variant | 4.01A | 3 | TCPIP | No | No | |

Wincor Autotell

8505 Cross Park Drive, Suite 300B

Austin, TX 78754

800-777-1511

<http://www.wincor-nixdorf.com>

Models

Wincor Autotell - 2250XE ProCash / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|-----------------------|-----------|-------------|------------|-----|-----------|-------------------|-----|-------|
| 2250XE ProCash | 02/07/08 | Diebold 912 | DDC 1.4/10 | 3 | TCPIP | Yes | No | |

WRG

38585 Apollo Parkway

Willoughby, OH 44094

800-531-1230

<http://www.wrgservices.com>

Models

WRG - CASS 2000 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|------------------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| CASS 2000 | 02/07/03 | Triton Variant | 1.2E | 1/3 | Dial-Up | No | No | |

WRG - Genesis / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|----------------|-----------|----------------|----------|-----|-----------|-------------------|-----|-------|
| Genesis | 01/29/04 | Triton Variant | C2KM1.2F | 1/3 | Dial-Up | Yes | No | |
| Genesis | 07/19/04 | Triton Variant | C2Kx1.2G | 3 | Dial-Up | Yes | No | |

WRG - Phoenix / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|---------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| Phoenix | 08/28/06 | Triton Variant | 3.0.0D | 3 | Dial-Up | Yes | No | |
| Phoenix | 10/31/07 | Triton Variant | 3.0.0G | 3 | Dial-Up | Yes | No | |

WRG - Vision 100 / Type: ATM

| Model | Cert Date | Format | Version | DES | Comm Type | Status Monitoring | VAS | Notes |
|------------|-----------|----------------|---------|-----|-----------|-------------------|-----|-------|
| Vision 100 | 02/07/03 | Triton Variant | 2.2V | 1/3 | Dial-Up | No | No | |