



Exciton Mobile Terminal



Low cost, high performance handheld

Exciton Mobile Terminal is an economical, powerful all-in-one handheld mobile EFTPOS terminal integrated with fast thermal printer, magnetic stripe reader and EMV smart card reader, as well as optional contactless card reader to support the rapid growth in contactless application and micropayment.

Exciton (Model: 8110) achieves EMV Level 1 & Level 2 certification for new smart card banking products and PCI PED certification for pin entry devices, hence paving the way for its acceptance by leading financial institutions, companies and merchants worldwide.

Flexible and user-friendly

With its integrated and robust design, Exciton supports various communication options including GPRS, CDMA and Wi-Fi. Transactions can be conducted in area far from urban or retailers with high geographical mobility, increasing your market penetration.

Key features and benefits:

- PCI PED online & offline certified
- EMV 4.2 Level 1 and Level 2 certified
- Rugged, durable and cost-effective
- Magnetic Stripe Reader and Smart Card Reader
- Optional Contactless Card reader, support Mifare classic, Mifare Ultralight, Mifare DESFire, ISO 14443 Type A&B, SONY FeliCa
- User-friendly interface
- Fast and easy-loading thermal printer
- GPRS, CDMA or Wi-Fi communication options
- Optional secondary Wi-Fi or PSTN modem of your choice
- High Security PIN Pad with DES, Triple DES and RSA encryption capabilities
- Support TMS and FTP remote download for applications and parameters
- Rechargeable long-life battery with standby time over 40 hours, possible for 400 transactions

For sister model Exciton+, you may opt for a secondary Wi-Fi or PSTN modem (or Wi-Fi and PSTN) for fully redundant and secure transactions for locations with unstable network coverage.



Specifications

Dimension	• 215mm (L) x 89.5 mm (W) x 62.8 mm (H)	
Weight	• 566g	
Environmental features	<ul style="list-style-type: none"> • Operating Temperature: 0°C to 50°C • Operating Humidity: 0% to 90%, (non-condensing) • Storage Temperature: -20°C to 60°C • Storage Humidity: 5% to 95%, (non-condensing) 	
Display	• 128x64 pixels LCD	• White LED backlight
	• Graphics capability	
CPU	• 32-bit Secure CPU, ARM9, 180MHz	
Key Pad	• 10 alphanumeric keys	• 9 function keys
	• 1 power switch key	• White LED backlight
SAM Slot	• 2 SAM Slots (Optional 4 SAM Slots)	• ISO7816
	• Support PPS protocol, up to 300kbps	
Memory	• 8MB Flash	• 16MB SDRAM
Communication Options	<ul style="list-style-type: none"> • Exciton: <ul style="list-style-type: none"> Options: <ul style="list-style-type: none"> - GPRS (900/1800) - GPRS Quadband (850/900/1800/1900) - Wi-Fi (802.11b/g) - CDMA (support UIM and non-UIM CDMA) Support SSL v2/3 TLSv1 • Exciton+: <ul style="list-style-type: none"> Core Modem Options: <ul style="list-style-type: none"> - GPRS (900/1800) - GPRS Quadband (850/900/1800/1900) - Wi-Fi (802.11b/g) Support SSLv2/3 TLSv1 Additional Modem Options: <ul style="list-style-type: none"> - Wi-Fi (802.11b/g) - PSTN <ul style="list-style-type: none"> - Synchronous: V.22bis, V.29, support 1200/2400/9600bps - Asynchronous: V.34, up to 33.6Kbps - Support PPP dial Support SSLv2/3 TLSv1 	
GPS (Optional)	• Integrated GPS Module	
Key Management	• Support MK/SK	• Fixed, DUKPT
	• Support dual and triple DES	• Support RSA
Remote Download	• Support TMS or FTP remote download	
Peripheral Ports	• RS232, Output: 5VDV 500mA	
Power Supply	• Input: 100~240VAC, 50Hz/60Hz	• Output: 14VDC, 3A
Battery	<ul style="list-style-type: none"> • 2150 mAh Li-ion Battery, 7.4V • Over 40 hours standby time or 400 transactions 	
MSR	• ISO7811/7812	• Track 1, 2 & 3
	• Bi-directional swipe	
Smart Card Reader	• 1 user card slot	• EMV4.2 Level 1 & 2 approved
	• Support SLE4442/SLE 4428 memory card	
Contactless Card Reader (Optional)	• ISO 14443 TYPE A/TYPE B	• SONY FELICA
	• Mifare classic, Mifare Ultralight, Mifare DESFire	
Printer	<ul style="list-style-type: none"> • High speed thermal printer • Speed: up to 28 lines/sec (84mm/sec) • Paper roll diameter: 38mm 	<ul style="list-style-type: none"> • Easy-loading • Paper width: 58mm • Support dual-layer thermal paper
Certifications	<ul style="list-style-type: none"> • EMV4.2 Level 1 & 2 • PBOC 2.0 • CE • UL 	<ul style="list-style-type: none"> • PCI PED • CCC • FCC • RoHS
Accessories(Optional)	<ul style="list-style-type: none"> • Leather Case • Separate Charger 	<ul style="list-style-type: none"> • Car Charger • RS232 Cable



All right reserved.

Specifications and external appearance subject to change without prior notice.



Global Payment Terminal Provider

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