



Phoenix

Comprehensive Payment Solutions

AMD-L-BCT

Is a division of Advanced Micronic Devices Limited, a group company of Opto Circuits (India) Limited.

The company's commitment to technology and support has been its area of strength and the reason for its customers to choose AMDL as a vendor of choice. Its customer base includes major Corporates, Defense Establishments, Software Technology Parks, MNCs and Super specialty Hospitals. AMDL has branches in all the Indian metros, Singapore, Malaysia and the US.

AMDL-BCT is committed for providing high levels of support to its clientele/associates by offering a broad range of services for POS/POP EDC payment systems.

In addition to deployment, help desk, and technical assistance and training for our products, AMDL-BCT has consultancy services for customization, design, installation, integration and management of POS EDC systems.

Our technology services group offers diverse cost effective, high quality customized application software development on our range of EDC terminals.

The Phoenix Px9600 range of EDC terminals are EMV 2000 Level 1 and Level 2 certified with an in-built fast printer, multi-application capabilities offering comprehensive payment and transaction solutions, complying with both ISO8583 – 1987 and 1993.

The Px9600 EDC terminal has both end user and customer-centric modular design delivering Performance, Modularity and Multi-Application support with Global and EMV Security Standards. The easy-to-use user interfaces with power packed performance take care of the customers' business needs with added investment protection. The built-in high-speed thermal printer provides for easily readable sales drafts and receipts.

Features and benefits

Compliance and certified with Global standards

- The Px9600 terminals are EMV 2000 Level 1 and Level 2 certified
- The terminals are field configurable for both ISO8583 – 1987 and 1993
- The terminals are also ISO, ANSI, combined PCI-PED Compliant, CEPS, DDA capable with SDI and TRSM keypad

The flexibility you need

- Optional, field upgradeable SAMs (2 or 4) support multiple smart card schemes and protect data
- Besides the standard communication protocols, the Phoenix range of terminals can operate on a variety of asynchronous and synchronous communication protocols and also TCP/IP
- All Phoenix terminals are capable of Remote Terminal download, Terminal-to-Terminal download, terminal management and Terminal initiated sequences
- Lightweight, highly ergonomic, ideal to hand over to customers for PIN entry and /or other inputs are required

The performance you need

- The powerful 32-bit processor core handles the most complex needs of financial transactions. The terminals can be extensively used for an endless range of payment and other applications

- Large memory configurations and dynamic memory management support multiple payment and value-added applications

The security you need

- Combined PCI-PED compliant PIN pad offers added security for PIN-based applications supporting the DES/TDES encryption algorithms
- Strong security architecture supports sophisticated file authentication, including Master/Session and DUKPT key management functions

The Support Software

- **SecureTunnel** : Used for Injecting bank keys onto the terminal(with 8, 16 and 24 Keys with 2 or 3 key Component options) and also for downloading SmartCard Keys
- **ComBridge** : Used for downloading Applications, Tables, Logos and also for Erasing application, Terminal Configuration and BIST (Built in Self Test) of the terminal



Specifications

Processor

- 32-bit microcontroller operating at a speed of 120MHz

Memory

- 2M Byte(16M bits) Flash
- 8M Byte(64M bits) SDRAM
- 8M Byte NAND flash for value added application (Optional)

Display

- 16x2 alphanumeric LCD display
- Highly reliable backlit (50,000 hours)

Magnetic Card Reader

- Dual-track ISO 7811 Tracks 1&2
- Bi-directional reading capability
- High reliability (3,00,000 card swipe)

Smart Card

- One IFM Primary Smart card reader (Interface Module) EMV2000 Level 1 certified
- One Secondary smart card reader EMV2000 Level 1 certified (Optional)
- Both readers comply with ISO 7816
- EMV Level 2 approved kernel
- Supports 1.8V, 3V and 5V synchronous and asynchronous cards

SAM Module (Optional)

- Supports up to 4 SAMs
- Complies to ISO 7816

Keypad

- EMV2000 compliant key pad
- Integrated Pin pad with 15 functional keys and 4 screen addressable Keys
- Tactile feel and water resistant
- High reliability (10,00,000 keystrokes)

RTC

- On board real time clock

Peripheral Ports

- RS-232 standard serial port
- CDMA, Barcode etc. devices ready

Printer

- 24/42 Characters, 2 inches, 384 dots per line thermal printer
- "Drop-in" thermal paper easy loading
- Plastic Paper serration

Protocols

- RS-232, TCP/IP, SDLC and GBP protocol

Security and Standards

- EMV, ANSI, TDES, ISO, PED/PID, Master/Session, DUKPT key management

Modem

- V.22 bis, 2400bps fast connect

Environmental

- 0° to 50° C operating temperature
- 5% to 90% relative humidity, non-condensing

Voltage

- 110–270 VAC, 50/60 Hz, DC output 8V at 3.5 Amp peak

- Optional Battery backed Power supply.



Contact

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