



INNOVATION UNLIMITED

ACCESS

Comprehensive Embedded Thermal Printing Solution

ABOUT US

Advanced Micronic Devices Limited (AMD) is a listed company in existence for over two decades.

AMD is also committed for providing high levels of support to its clientele and associates by offering a broad range of Embedded Products and Services for the payment systems industry.

The growth record in terms of clients, facilities, knowledge-base and financials has been consistently good.

Our Technology Services group offers diverse, cost effective, high quality customized Software and Hardware Designs and Development for a wide range of embedded and medical applications.

OVERVIEW

AMD's **Access** is a world class state of the art multi font graphics thermal printer. Access is one of the fastest printing bill printers in the world in its segment; the printing speed of the printer is 18 LPS. Apart from bill printing it can also print graphics (logos) and 2 of 5 (numeric) and 3 of 9 (alpha numeric) bar code. Access futuristic design uses a high end thermal print mechanism designed to meet challenging requirements of the bill printing industry with high level of integration, compact size and robust performance.

Access is high speed, low power 2 inch thermal printer with easy paper loading Mechanism offers an innovative alternative to Impact based Systems.

Access is available in eight different models to suit the need of every customer.

Access reads ISO 7811 magnetic cards and encrypts the T1 and T2 data before it sends to the serial port.

Access is the best possible solution for all embedded printing requirements.

The Access suits for a variety of applications where print out is absolute essential such as ticket issuing terminals, label printing, portable terminals, meter readers, POS, banking terminals, ATM's, hospitals, measurement and medical equipment, billing systems in hotels and restaurants.



FEATURES

- High speed multi font printing
- BAR code, logo and test script printing
- Easy to use proprietary protocol for communicating to any standard IR/RS232 device
- Automatic DC to battery changeover and vice versa
- Single charge battery life up to 2000 bills of 5 cm each
- Low power consumption
- Aural and visual Indication for Power ON, charging, error and busy indication
- Paper out detection
- Paper cover open detection
- Head temperature abnormality detection
- Infrared (IR) conforming to IrDa Data 1.2 communication is available as optional feature
- Dual-track, bi-directional ISO 7811 track 1 & 2 magnetic card reader
- High reliability (3,00,000 card swipes)
- Printer life up to 50KM of continuous paper printing
- **Options:**
 - Serial Port to USB Port converter
 - BlueTooth (BT) Serial Port (SP) Interface

SPECIFICATIONS

PRINT DATA

- Print method is line thermal dot printing
- High resolution of 0.125mm dots(8dots/mm)
- Effective printing area 48 mm
- Paper feeding pitch 0.125mm
- High speed printing of 18 lines per second prints 24 and also 42 characters in 1 line
- Interface conforms to serial RS232 protocol 9600 to 38400 bps

THERMAL PAPER

- Paper thickness 60 to 72 uM
- Paper width 57.5 mm
- Easy paper tearing
- Recommended Paper
TF60KS-E Nippon Paper
PDI50R Oji Paper

MECHANICAL

- Length x Breadth x Height = 130mm x 81mm x 40mm
- Weight of the product without paper roll is approximately 240 Grams

ENVIRONMENTAL

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

TEXT FUNCTIONS

- Fonts Supported
 - 9x16 Small characters
 - 9x32 Large characters
 - 16x16 Bold Small characters
 - 16x32 Bold Large characters
 - Alphanumeric and Special characters are available in all the fonts

BLUETOOTH INTERFACE

- Bluetooth Ver. 2.0+EDR certification
- Transmit Power up to +18dBm (class1)
- 100 mtr rating in a clear line of sight appln
- Full Bluetooth Data rate
- Enhanced Data Rate (EDR) compliant for both 2Mbps and 3Mbps modulation modes

MISCELLANEOUS

- Single +9V supply
- Less than 1mA current consumption in standby mode and few uA in deep sleep mode
- Head Reliability
 - Electric Life: 1 hundred million pulses
 - Wear Life: Paper feed length 50 KM
 - Platen open life: More then 5,000 times
- PC side Test software for testing all the features of Access
- Highly reliable Li-ion battery pack for battery operated terminal.

ORDERING INFORMATION

Battery Operated				
Model	Magcard reader	IrDa	USB	BT
DA110	x	x	✓	x
DA120	✓	x	✓	x
DA130	x	✓	✓	x
DA140	✓	✓	✓	x
DA320	✓	x	✓	✓
DC Operated				
Model	Magcard reader	IrDa	USB	BT
DA150	x	x	✓	x
DA160	✓	x	✓	x
DA170	x	✓	✓	x
DA180	✓	✓	✓	x
DA370	✓	x	✓	✓

USB: This option is available in all models through an ext. serial port-RS232 to USB port converter cable.

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