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SERIES 4600 SWIPE READER TERMINAL

Description

Integrated magnetic stripe card reader terminal designed as a smart peripheral ready for connection to data collection equipment. Reads all standard credit cards, ID badges and data cards. Transforms ANSI/ISO or custom card data formats into ASCII. EIA RS-232C port with selectable baud rate and parity. Monitors status of two remote sense circuits, controls two remote device circuits, has two status LED lamps on top panel and integral beeper/alarm. Available for all ANSI/ISO track locations on magnetic stripe cards and badges. Attractive, compact case for counter top mounting. UL-listed, wall-plug power module.

Operation

The operating mode of Series 4600 Terminals is determined by configurational commands sent by host and may be changed at any time. Host commands and Terminal responses are ASCII printable characters. Terminal may be operated under direct host command or set for automatic operation. Readily adaptable for custom automatic operation and custom interface.

Features

- Smart peripheral for direct connection to any system
- Adds immediate magnetic stripe card read capability to POS and ECR terminals
- Uses standard RS-232C interface
- Monitors remote circuits; controls remote devices
- Cost effective for any system
- Readily adaptable for custom operation

Applications

POS/ECR/POT Systems

- Retail Stores
- Hotels and Motels
- Airlines and Agencies
- Banks and S&Ls
- Gasoline Stations
- Clubs and Resorts

Facility Management Systems

- Work Stations
- Time & Attendance
- Access Control
- Job Costing
- Material Control
- Process Control

Specifications

Magnetic Stripe Card

• Encoding Density	25 to 300 BPI (Specify)
• Encoding Type	(F/2F) Aiken Biphase
• Track Locations	#1, #2,#3 (ANSI X4.16/ISO 3554)
• Magnetic Specs	Per ANSI X4.16/ISO 3554
• Card Thickness	0.010 to 0.035 in (0.254-0.889mm)
• Permissible Jitter	±30% Max, ±22% @ 80% Max Speed

Card Read Speed

• Read Speed @ 75 BPI	1.69 to 171 IPS
• Read Speed @ 210 BPI	0.60 to 61 IPS

Reliability

• Head Life	>1,000,000 Card Passes

Power Module

• Input	9 VAC (Supplied)

Environment

• Operating Temp.	0° to 55° C

Mechanical

• Dimensions	3.1”W x 2.3”H x 8.7”L
• Orientation	Any position
• Mounting	Counter top

RS-232C INTERFACE & REMOTE CIRCUITS

Connector Pinouts (DB-25S)

1. Protective Ground
2. Transmit Data
3. Receive Data
4. Request to Send (Request to Transmit)
5. Clear to Send (Transmit Enable)
7. Signal Ground
11. Terminal In Service (Output/Ready For I/O)
12. Sense Circuit #1
13. Sense Circuit #2
24. Device Circuit #1
25. Device Circuit #2

Communication Protocol

• Baud Rates	1200, 2400, 4800, 9600
• Parity Bit	ODD, EVEN, MARK, SPACE, None
• Word Length	7-Bit or 8-Bit
• Line Termination	CR or CR + LF
• Echo Host Trans	ON or OFF
• Character Set	7-Bit Printable ASCII

Device Circuits

• Output Type	NPN Transistor Open-Collector
• Output Hi Voltage	+30 VDC Max
• Output Lo Voltage	+0.7 VDC @ 300 ma
• Output Current ON	300 ma Max
• Output Current OFF	100 µa

Sense Circuits

• Input Impedance	4K Ohms Typ
• Input Hi Voltage	+3 to +30 VDC
• Input Lo Voltage	0 to –30 VDC

STANDARD MODELS

Body Configurations

0 End Entry, Swipe Thru, Magnetic Stripe Left
5 Top Entry, Swipe Thru, Magnetic Stripe Left
7 Top Entry, Swipe To Stop, Magnetic Stripe Left

Track Configurations

- Model 46x1 (Track #1)
- Model 46x2 (Track #2)
- Model 46x3 (Track #3)