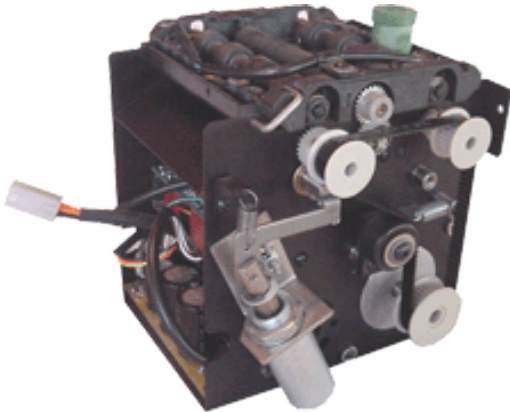


ACP-2600

Terminal Optical Mark Reader/Printer



Contact a representative at
(818) 341-9200 or
info@chatsworthdata.com

- Reads up to 18 inches per second
- Self-adjusting threshold for each data channel
- Graded index fiber read head
- 2 inch (50 mm) thermal printer
- OEM or cased

Features and Options

Paper Path: A simple, self-locking hinge pin can be installed at either end of the ACP-2600 toggle assembly as determined by the available envelop within the terminal.

Locking the pin secures the upper unit in place for scanning and printing. Releasing the hinge pin allows the upper assembly to open for complete access to the paper path for cleaning of the optic lens, removing paper chafe and preventative maintenance procedures.

Thermal Printer: The ACP-2600 includes a 2-inch (50 mm) thermal printer that while scanning is held in a retracted position. When printing a solenoid is activated to position the print head for printing and utilizing a DC stepper motor where a user-defined character string will be transferred to the thermal document.

12 or 14 Data Channels Available: The ACP-2600 can be configured with 12 or 14 data and 2 timing track channels. The 12 channel format uses .250 inch channel spacing. The 14 channel utilizes 5 mm channel spacing.

Cased Model: The ACP-2600 is available in a cased model for stand-alone applications. The cased model includes a power adapter and data cable.

The ACP-2600 is one of the latest designs developed by Chatsworth Data Corporation to serve the Public Gaming Industry. The ACP (Accessible Card Path) reader was specifically designed for a gaming terminal, incorporating a unique feature which allows easy access to the card path.

The ACP-2600 is a low cost solution when integrating an OMR/Printer into any application terminal or workstation. The most common use for the ACP design is as a "Tote" system play slip reader and for thermal "receipt" validation and cancellation. Other applications include Lottery system terminals, Sports Gaming, "Keno" type games, as well as many Point Of Sale applications.

A single latch releases the upper "toggle" portion of the unit so that it can be rotated up and away from the body of the transport, thus exposing the entire card path and optic lenses.

The option of a FLASH EPROM incorporates additional flexibility supporting the dynamic down loading of executable code to the ACP-2600 via a communications network. Complete programming of the FLASH EPROM takes less than 20 seconds.

The ACP-2600 utilizes "Visible Red" illumination that reads black or blue marks made with a pencil, ballpoint or felt-tip pen and pre-printed marks. Background printing must be in the visible red range. "Infra Red" illumination is available as an option for only black pencil marking with colored background printing.

RS-232C serial communications is standard on the ACP-2600.

Chatsworth Data Corp. has taken the most common features of the Lottery and Totalizator designs and incorporated them into the ACP-2600 unit, giving the application developer the greatest flexibility without the development costs associated with design and testing of a totally "custom" unit. The design concept utilized by the ACP provides a base unit that can be quickly modified to meet specific firmware, electrical, and mechanical requirements, resulting in a low cost OMR.



CHATSWORTH
DATA CORPORATION

20710 Lassen Street • Chatsworth, CA 91311 USA • Phone: 818-341-9200 • Fax: 818-341-3002
www.chatsworthdata.com

Accessible Card Path:

The ACP-2600 reader has a paper path that is easily accessible for clearing jams and cleaning the optic head. A simple, self-locking hinge allows the upper assembly to open for complete access to the paper path.

Scan Area:

14 data channels at 5 mm spacing.
12 data channels at .25 inch (optional)

Timing Track Alignment:

In-Line (data marking areas between leading and trailing edge of the timing mark).

Offset (data marking areas between the trailing edge of one timing mark to the leading edge of the next).

Timing Track Selection:

Select top (right hand) or bottom (left hand) edge of the form for the active timing track.

Transport Speed:

The ACP-2600 reader is designed to operate at 18 inches per second when scanning and approximately 2 inches per second when printing.

Form (Receipt):

3.25 inches (82.55 mm) wide thermal paper without timing track marks with the first column containing a 12 channel conditioning bar (centered) and up to 5 columns of pre-printed data (60 bits of data).

Form (Play slip):

3.25 inches (82.55 mm) wide x 3.0 inches (76.2 mm) long to 3.25 inches (82.55 mm) wide x 12.0 inches (304.8 mm)

Form Marking:

Blue or black pencil
Blue or black pen, ballpoint or felt-tip
Pre-printed marks

Interface:

RS-232C asynchronous at 14.4 K baud.

Printer:

The ACP-2600 reader includes a 2-inch (50 mm) - 200 DPI thermal printer for branding receipts. A cancellation block is automatically printed on the thermal receipt along with programmable text.

Illumination Options:

Dual row RED (660 nm) or infrared LED's (950 nm). RED LED's are standard.

Green LED's (565 nm) may be installed in the timing channels to support reading RED timing tracks.

Mounting Arrangements:

The ACP-2600 reader is configured with 4 threaded mounting inserts at the base of the transport for securing the unit in the terminal. (Standard) Optional mounting configurations can be accommodated.

Flash EPROM (Optional):

The ACP-2600 reader supports an optional FLASH EPROM (32 KB x 8) to allow in-system programming of the reader firmware.

Media Formats:

The ACP-2600 reader is designed to read AutoTote style receipts, however, firmware can be developed to read nearly any typical lottery or gaming slip format. Various types of Hollerith style barcodes can be accommodated.

Electrical:

The ACP-2600 reader logic PCB contains a MC68HC11 microcontroller I.C., a 32 K by 8 EPROM, a 32 K by 8 static RAM, an address latch, two analog multiplexers, 5 analog amplifier I.C.'s, 15 light emitting diodes, 15 photo-transistors, and a motor driver/controller I.C.

Power Requirements:

Voltage	Purpose
+5 VDC	(well regulated) at approx. 500 ma.
+12 VDC	1 amp. to support printer solenoid
+24 VDC	4.0 amps total (2.0 amps with motor running) (2.0 amps when printing)

Power Connector:

Pin	Purpose
1	Logic Voltage (+5 VDC)
2	+5 VDC Return
3	+12 VDC
4	+12 VDC Return
5	+24 VDC Return
6	+24 VDC Return
7	+24 VDC
8	+24 VDC

Physical Dimensions: (uncased)

Height: 5.2 inches (132 mm)
Width: 4.9 inches (124.5 mm)
Depth: 5.2 inches (132 mm)

Weight:

6 lbs. (uncased)

