

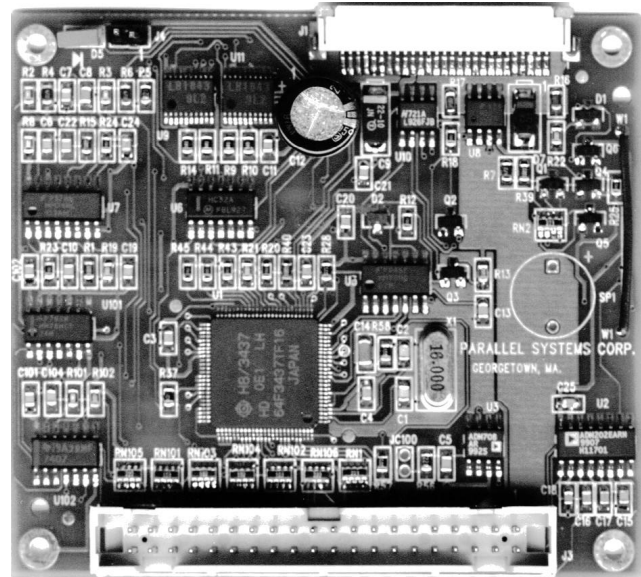
The CK208 printer controller board together with the APS ELM-208HS print mechanism form a complete real-time continuous waveform printer. State of the art easy paper loading, low noise, compact size and low voltage operation suitable for battery applications make it an ideal cost saving solution for medical OEM's.

Simple commands allow complete freedom in the placement of text, waveforms and grids. The host device sends data values for each trace while ChartKard generates the high resolution finished image at fixed speeds up to 50 mm/sec.

Applications include medical waveform printing, Windows printing and standard text printing.

Features

- Recorder mode for continuous real-time waveform printing, such as ECG data
- Text mode for high-speed text and graphics
- FEED key connector and PAPER-OUT LED
- Sensors: paper, head-up, head temperature
- Real-time voltage and temperature tracking
- Separate head protection watchdog circuit
- Comprehensive power-on self-tests
- Automatic bad dot detection
- ESD protection on all I/O, RS-232 15KV
- Host connector: 40-pin IDC cable
 - Serial: async, RS-232C, 1200 – 115,200
 - Parallel: Ideal for Windows and graphics
- Recorder Mode Features
 - Chart speed: 0.1 mm/hr to 50 mm/sec
 - Resolution: 8 dots/mm x 16 dots/mm
 - 70 commands for traces, grids and text
 - Six user configurable trace channels
 - 8 or 16 bit data for maximum resolution
 - Configurable grid and channel widths
 - Automatic Waveform smoothing
 - Automatic time/date printing
 - Up to 16 auto-print text strings



- Text/Graphics/Windows Mode Features
 - Resolution: 8 dots/mm
 - Standard escape commands
 - WIN 95/98/XP/NT drivers

Mechanisms Supported

	PRINT WIDTH		ECG ¹	25 % ON ²
	mm	dots	(Amp)	(Amp)
ELM-208HS ³	48	384	1.2	2.2

¹ Assumes 25 mm/sec, 5 mm grid, 2 traces at Vp=7V

² Printing with 25% of dots on at Vp=7V EX: graphics

³ Logic: +5V Motor and printhead: +4.2V to 8.5 V max

⁴ Drop-in paper loading. Jam-free design.

Dimensions

CK208: 3.2 " W x 2.8 D x 0.7 " H
81.3 W x 71.1 D x 17.8 H mm

Paper: Direct Thermal, 58 mm wide