bematech

Smart Features

- 2 line by 20 character pole display with 5mm character height

- Bright green vacuum fluorescent display

- Better visibility due to optically matched lens

- Wide choice of interface: USB, serial, and serial pass-through

- Supports OPOS/JPOS drivers and many command sets including Epson, Ultimate Technologies, IEE, EMAX, or Aedex

- Supports a wide variety of languages with code pages

PDX3000

The Pole Display Market Leader

Bematech pole displays are widely known as the market leader for PC-based POS systems. They have long set the standard for reliability, value and functionality. The PDX3000 series customer displays support almost any command set or language to match the POS application requirements.

The PDX3000 also provides innovative and flexible support of different interfaces including USB, USB port-powered, serial and serial pass-through.

bematechus.com

PDX3000 SERIES CUSTOMER POLE DISPLAY SPECIFICATIONS

OPTICAL (FLUORESCENT DISPLAY)

Digits per row	20
Number of rows	2
Digit configuration	5x7 Dot Matrix
Digit Height	5.0mm
Digit Width	3.5 mm
Digit Pitch	5.0 mm
Character configuration	ASCII
Brightness	690 cd/m^2 max
Display color	Green
MTBF	300,000 hours

ELECTRICAL

Input power (to adapter)	120VAC , 60Hz
	220VAC, 50Hz (optional)
Output power (from adapter)	7.5VAC 1A
Connector	2 conductor female jack
Pole cable connector	10-pin mini-DIN (female)
Interface cable	
Pole side connector	10-pin mini-DIN (male)
Computer side connector	USB: Type A
	Serial: DB9 (female)
	Pass-thru: DB925 (male)
Power connector	2 conductor male jack

ENVIRONMENTAL

Operating temperature	0°C to 50°C
Relative humidity	85% max, non-condensing
Storage temperature	-20°C to 70°C
Relative humidity	90% max, non-condensing
Vibration (10 to 55Hz)	4G's
Shock	40G's

INTERFACE

USB	USB 2.0 standard
Serial	RS232
Baud rates	2400/4800/9600 */19200
Protocol	8 data bits, no parity, 1 stop bit

RTS/CTS are tied together in connector.
DSR/DCD/DTR are tied together in connector.

MECHANICAL

Weight	2.4lbs (1.09 Kg)
Dimensions (inches)	(width x height x depth)
Fluorescent display	7.87 x 3.37 x 1.75
Rectangular base	2.12 x 2.00 x 2.25
Base plate	4.00 x 0.90 x 8.00
Overall height (typical)	25 in

CONNECTOR PINOUT

USB Type-A connector

Pin #	Function
1	V+
2	D-
3	D+
4	Ground

Serial DB9 female connector

Pin #	Function
1	DCD
3	Data
4	DTR
5	Ground
6	DSR
7	RTS
8	CTS

Serial pass-thru DB25 female connector

Pin #	Function
2	Data
4	RTS
5	CTS
6	DSR
7	Ground
8	DCD
20	DTR

ORDERING INFORMATION

PDX3 000	Serial
PDX3 000-PT	Serial pass-through
PDX3000UP	USB (port-powered)

*default factory setting