



E-Pos 1000 (P4)
User Manual

Company Profile

E-PoS is a pioneer in the field of Retail Technology Products operating in Middle East & South East Asian markets. The success story of E-PoS started five years ago when the core focus was to meet burgeoning market share of the mid level segment. Since then E-PoS has built a substantial market share in Retail Technology Products with an average growth of 10-15% per year.

E-PoS not only offers total hardware solution for the Retail business but also for Banks, Government Organizations, Filling Stations, Hospitality Industry, Recreation, Hospitals etc

E-PoS has a long list of satisfied customers over the Middle East, Africa & Indian Subcontinent. A dedicated channel of Resellers, Dealers and System Integrators back up the efficient & timely distribution and After sales service

Objective

The objective is to create reliable, viable & affordable retail hardware solution provider and to have maximum satisfied customer base in the Middle East and there onwards to neighboring countries like India, Africa & Russia

Distribution Rights

E-PoS represents some of the leading brands as their authorized distributor for Middle East & South East Asia viz.:

Point of Sale

Star Micronics, U.K – for their range of Retail Technology products.

Metrologic, Germany- for Barcode scanners & Data collectors.

Godex, Taiwan – for Barcode Printers.

Cash bases U.K – for Cash Drawers.

Denso, Germany – For Auto ID Solutions

Ring, Japan – For Industrial Barcode Printers

Banking & Security

Evdis, France – For ID Card Printing solutions

Magtek, USA – For Banking products

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A huge range of E-PoS OEM products for POS, Banking & Security Products

Product Range

Point of Sale Products

- Point of Sale PCs & Web terminals
- Touch Screen Systems
- Printers-Line, Dot matrix, Label, Card and Point of Sale
- Displays-Customer, CRT, Flat Panels, Touch Screen
- Bar Code Scanners
- Bar Code Printers
- Cash drawers
- Magnetic and Bar Code Swipe Readers
- Programmable and Miniature Keyboards
- Kiosk Terminals
- Portable Data Terminals
- Radio Frequency terminals

Banking and Security Products

- Visual Card Systems
- ID Card printing solutions
- MICR Check Readers & Encoders
- Check book, Passbook & Passport Printers
- Counterfeit detection units
- Note bundling and binding machines
- Cheque printers
- Magnetic and Bar Code Swipe Readers
- Smart Card Readers

Target Market

- Hospitality Industry
- Banks
- Government Organizations
- Shopping Malls
- Filling Stations
- Retail Business

Target Customers

- Dealers
- Resellers
- Corporate Customers
- Overseas/Export Customers
- System Integrators
- Value Added Resellers

Customer Network & Marketing

E-PoS has existing network of dealers in the Middle East, East Africa and India. The Y2003-04 Expansion plans include Africa and Russian continent being the emerging markets for Retail Technology Products.

Being the only dedicated Regional distribution company for Retail technology Products, E-PoS have always been very aggressive in terms of marketing and promotions.

Advertisements are inserted in the local press, trade journals every month. Product brochures, leaflets & promotion schemes are distributed through mail, Fax & Electronic mail thus offering continuous updation about E-PoS product range to its business partners. E-PoS participation in International trade exhibitions & Promotions offers more insight to the dealers and corporate end users about Retail technology

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LOCATIONS

Corporate Head Quarters

Middle East	E-PoS International LLC P.O.Box 12608 Dubai, UAE	Tel: +9714-3523288 / 3512861 Fax: +9714-3513396 Email: eposintl@emirates.net.ae
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South East Asia Head Quarters

South Asia	East	E-PoS International Nasik-Pune Road Ayodhya Nagri Nasik, Maharashtra India	Tel: +91-253-2411806 Fax: +91-252-2415295 Email: pradeepw@sancharnet.in
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DO'S & DON'TS

(Integrated circuits on All E-PoS System boards are sensitive to static electricity. To avoid damaging any Components on the computer board, before getting started, read these following precautions and other instructions and save them for later reference).

- i. Do not remove the computer from the anti-static Packaging until you are ready for installation.
- ii. Make sure the voltage of the power source is correct before connecting the computer to the power outlet, (110~220 volts).
- iii. Connect Rubber Legs provided to avoid damaging Cabinet Cover and Door, (where provided).
- iv. Do not change any Hardware Devices online when System or the device is on and running, because the sudden surge of power may ruin any sensitive components. Also make sure the computer is properly grounded.
- v. Turn off the computer before cleaning. Always clean with a damp or dry cloth only. Do not spray any liquid cleaner on screen directly.
- vi. The power outlet socket used to plug in the computer power cord must be located near the system and easily accessible. Do not use outlets on the same circuit of the system that regularly switch on and off.
- vii. If the computer is sharing an extension cord with other devices, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating.
- viii. Do not expose the power cord, extension cord and power outlet to moisture.
- ix. The openings on the computer enclosure are for the cabin ventilation to prevent the computer from overheating. **DO NOT COVER THE OPENINGS.**
- x. Do not connect any devices to Powered COM Ports (5V/12V), other than the devices that take power from Powered COM Ports to avoid damaging the Device.
- xi. Any Hardware upgrades or changes to be made are to be informed, and do not tamper with Serial Nos. and Warranty Seals, to avoid Warranty Void.
- xii. If the computer is not equipped with an operating system. An operating system must be loaded first before installing any software into the computer.
- xiii. If the computer is equipped with a touch panel, avoid using sharp objects to operate the touch panel. Scratches on the touch panel may cause mal-calibration or non-function to the panel.
- xiv. The LCD panel display is not subject to shock or vibration. When assembling the computer, make sure it is securely installed.
- xv. Choose an Ideal dust free location and reliable surface for the System with proper ventilations.

ACCESSORIES

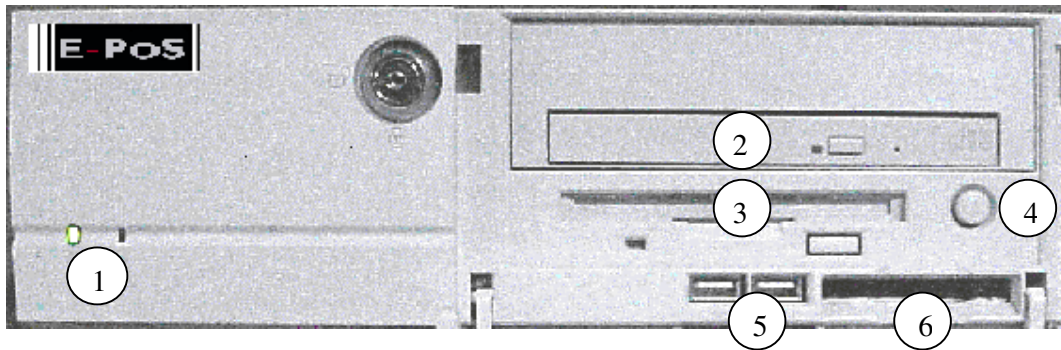
1. Warranty Card.
2. Power Cable.
3. Driver Bank CD.
4. Keys.
5. CD-ROM

The following drivers in the folders of Driver Bank are necessary for driver installation.

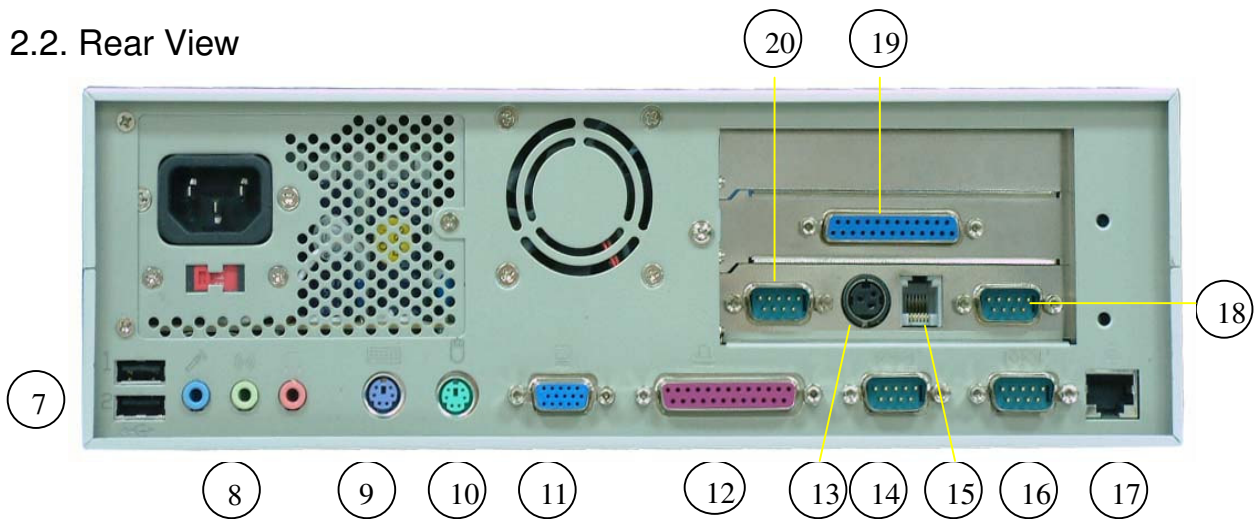
Folder	Driver	Function
Common	Acrobat	Acrobat Reader Installation
	BIOS Tool	BIOS Update Tool
	CDROMDrv	CDROM driver installation (for DOS)
	Elo_Touch	Touch screen driver Installation
	LAN_drive	LAN driver installation
	•Netmos	Enable COM5/COM6
	Smart Card	Smart Card driver installation
B74	AC97_codec_ADI	Audio driver installation
	Intel845G/GL_Chipset	Chipset initial installation
	Intel845G/GL-VGA	VGA driver installation
	USB20	USB driver installation
Test Utility	Card Reader	Card Reader Test Program
	Cash Drawer	Cash Drawer Test Program
	VFD	Customer Display Test Program

INPUT / OUTPUT FUNCTIONS

2.1 Front View



2.2. Rear View



#	Function	#	Function	#	Function
1	Power/HDD Indicator	8	Audio(In/Out/MIC)	15	Cash Drawer(POS)
2	CD-ROM Drive	9	PS/2 Keyboard	16	COM2
3	Floppy Disc Drive	10	PS/2 Mouse	17	LAN
4	Power Button	11	VGA	18	COM3(POS)
5	USB3/USB4(POS)	12	LPT	19	2 nd LPT(Optional)
6	Compact Flash(POS)	13	24V(POS)	20	COM4(POS)
7	USB1/USB2	14	COM2		

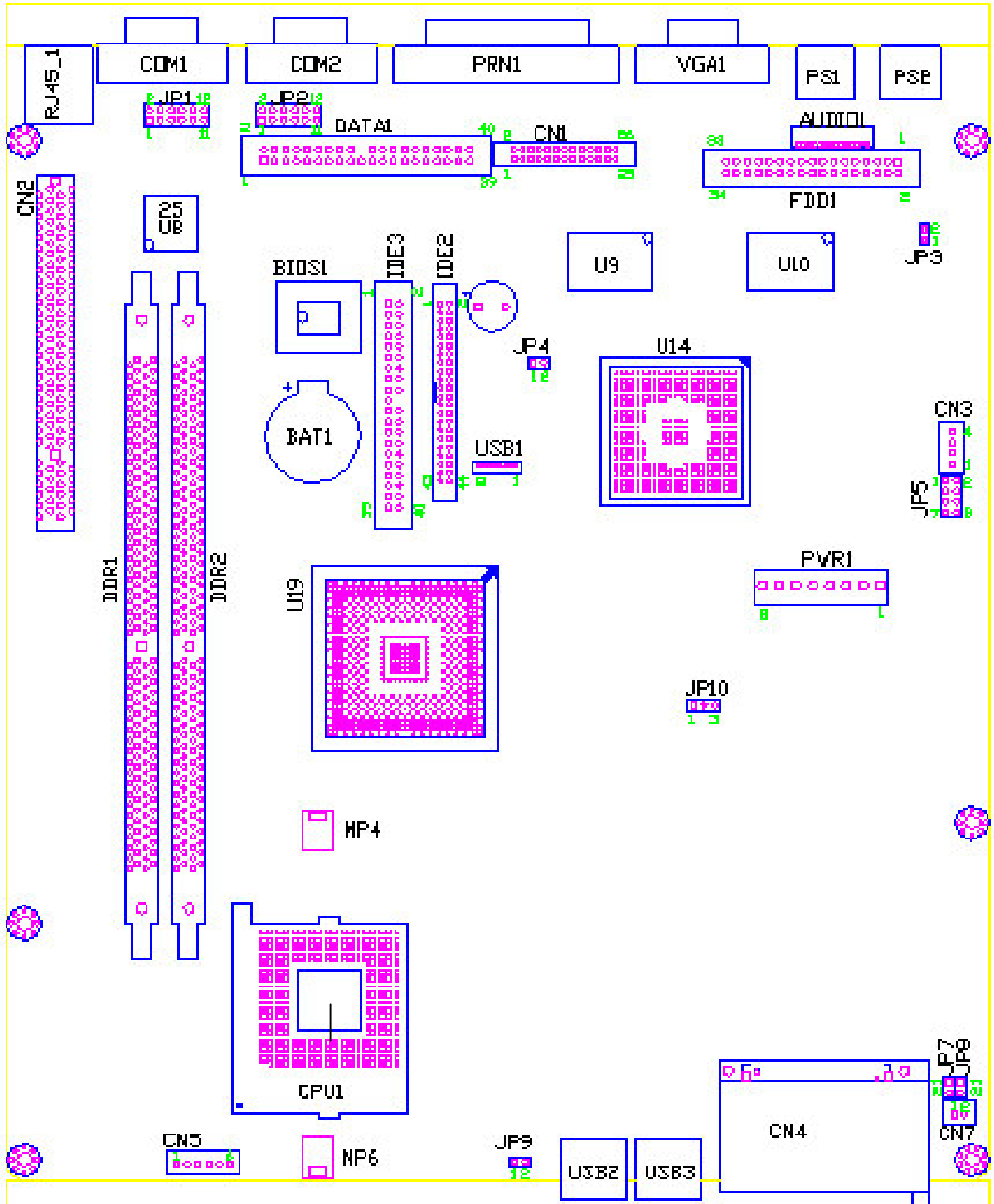
* Before plugging in the Power cord, please make sure that your regional power 110V or 220V is set on the right Voltage, set up dipswitch accordingly.

SPECIFICATIONS

Item	Function
Motherboard	B74
Core Logic	845GL supports 400MHz FSB
CPU Processor	Intel P4 processor mP478-Pin
Memory	2 x DIMM DDR 200/266 Socket up to 2GB
BIOS	AWARD PnP 2Mbit
VGA Display	Built-in Core Logic
VGA memory	Share Memory
I/O Controller	W83627HF x 1, W83697 x1
I/O Port	<p>Rear</p> <ul style="list-style-type: none"> 2x Serial (COM1/COM2 pin1/pin9 supports 5V/12V) Selectable 1x Parallel(DB25) 2x USB support USB 2.0 1x PS2 Keyboard 1x PS2 Mouse 1x Audio(MIC, Line-in, Line-out) 1x LAN <p>Front (POS)</p> <ul style="list-style-type: none"> 2x USB support USB 2.0 1x Compact Flash socket
Ethernet Controller	RTL 8100B 10/100Mb Fast Ethernet controller
Slot on board	1x 120pin PCI slot support three PCI signal for 2xPCI / LAN
Audio Controller	Built-in Core Logic, supports AC97 2.1 w/CODEC
Expansion Slot	2x PCI option 1xPCI, 1xPCI/ISA Riser card w/DOC socket
Storage Device	1x3.5" FDD Option 1x3.5" HDD Option 1x 5.25" Slim CD-ROM,CD-RW, DVD ROM
Wake on	Support WOL(Wake on LAN) & WOR(Wake on Ring)
I/O Board (POS)	COM3/COM4 pin1/9 support +5V/+12V selectable, Cash Drawer, 24V DC
2nd Parallel Port Bracket	Optional
Power Supply	FT-8016B 160W ATX
Operation Temperature	5°– 40° C
EMI/EMS	FCC/CE Class A
Dimension	300(W) x 320(D) x 90(H) mm

JUMPER SETTINGS

4.1 Location of Main Board



4.1.1 COM 1 Power Selection

Default

Setting:*

Pin	Function	JP1
1	DCDA#	*1-2
	VCC	3-4
	+12V	5-6
9	RIA#	*7-8
	VCC	9-10
	+12V	11-12

4.1.2 COM 2 Power Selection

Pin	Function	JP2
1	DCDB#	*1-2
	VCC	3-4
	+12V	5-6
9	RIB#	*7-8
	VCC	9-10
	+12V	11-12

4.1.3 AC97 Audio Enable/Disable

Function	JP3
Enable	*OFF
Disable	ON

4.1.4 CMOS Operation mode

Function	JP4
CMOS Normal	*OFF
CMOS Reset	ON

4.1.5 Power Mode

Function	JP5
ATX Power	*1-2
	*3-4
	*5-6
AT Power	7-8

4.1.6 Compact Flash Master/Slave Setting

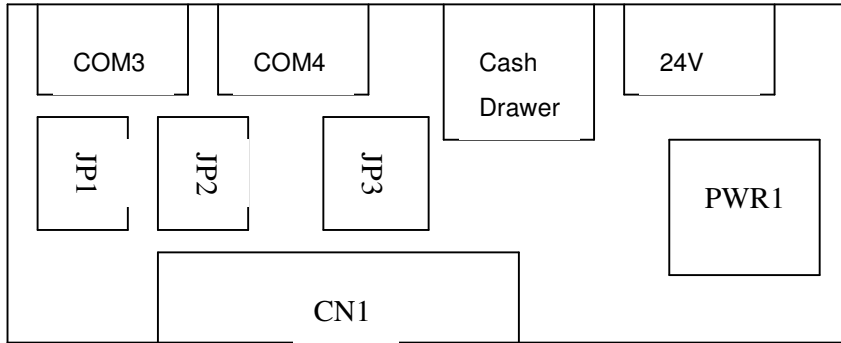
Function	JP7
Master	*OFF
Slave	ON

4.1.7 CPU Clock setting

Function	JP10
Auto	*1-2

100MHZ	2-3
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4.2 Location of I/O Board



4.2.1 COM3 Power Selection

Pin	Function	JP1
1	DCDC#	*1-2
	VCC	3-4
	+12V	5-6
9	RIC#	*7-8
	VCC	9-10
	+12V	11-12

4.2.2 COM4 Power Selection

Pin	Function	JP2
1	DCDD#	*1-2
	VCC	3-4
	+12V	5-6
9	RID#	*7-8
	VCC	9-10
	+12V	11-12

4.2.3 Cash Drawer

Function	JP3
12V	*1-2
24V	2-3

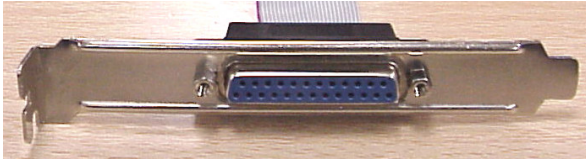
4.2.4 Cash Drawer Port Pin Assignment

Pin	Signal	Pin	Signal
1	GND	4	12V/24V
2	200H-Bit0	5	200H-Bit1
3	201H-Bit0	6	GND

Data out address(200h)

Data in address(201h)

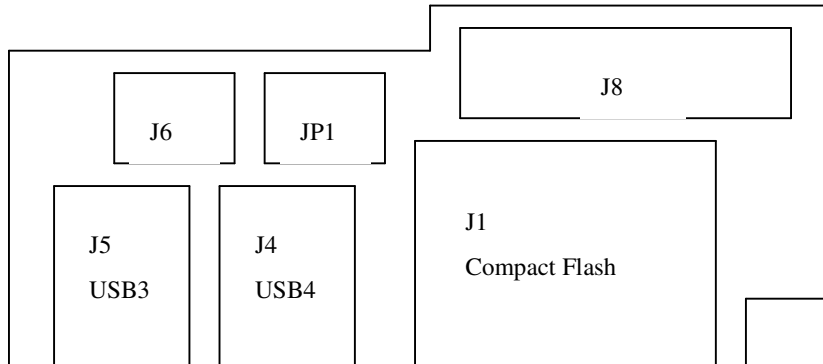
4.3 Optional 2nd Printer Port (Bracket)



4.3.1 Printer Port Pin Assignment

#	Signal	#	Signal	#	Signal	#	Signal	#	Signal
1	STROBE-	6	DATA BIT4	11	BUSY	16	INIT-	21	GND
2	DATA BIT0	7	DATA BIT5	12	PAPER EMP	17	SLCT IN-	22	GND
3	DATA BIT1	8	DATA BIT6	13	SLCT	18	GND	23	GND
4	DATA BIT2	9	DATA BIT7	14	AUTO FEED-	19	GND	24	GND
5	DATA BIT3	10	ACK-	15	ERROR-	20	GND	25	GND

4.4 Daughter Board(POS 1000)



4.4.1 Compact Flash Master/Slave Setting

Function	JP1
Master	OFF
Slave	On

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