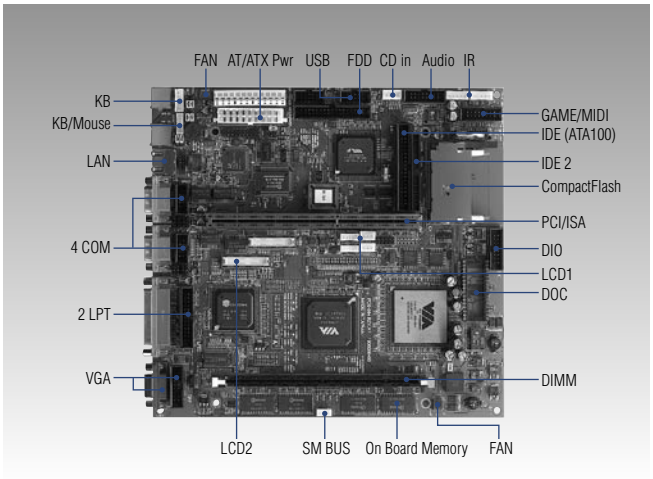
POS-564

VIA C3 LPX POS SBC with CPU, Audio, VGA/LCD and Ethernet



Features

- VIA Eden 400/667/800 processor on board
- VGA/LCD controller with Unified Memory Architecture
- Supports 24-bit LCD TFT display
- 48-bit TFT LCD (optional)
- 10/100 Mbps PCI Ethernet interface, support wake-on-LAN
- 4 Digital I/O & I2C interface
- 2 parallel ports/4 COMs
- 115 Kbps SIR
- Up to 128 MB on-board memory (optional)
- AC' 97 Audio function

CE FCC

Specifications

- **CPU** Embedded VIA Eden 400/667/ 800 (fanless)
- **System Memory** SDRAM DIMM x 1, Max. 512MB and on-board memory up to 128MB
- **2nd Cache Memory** 64 KB on Processor
- **System Chipset** VIA 8601A, VT82C686B
- **BIOS** AWARD 256KB Flash BIOS
- **SSD** Support CompactFlash™ Card, DiskOnChip®
- **Watchdog Timer** 1 – 62 Sec, System reset or IRQ11
- **Expansion Interface** 1 x PCI/ISA slot
- **Battery** Lithium 3V/220mAH

I/O

- **MIO** 2 x EIDE (40-pin Ultra DMA 66&100 and 44-pin Ultra DAM 33), 1 x K/B, 1 x mouse, 1 x RS-232, 3 x RS-232/422/485, 2 x LPT
- **IrDA** 115.2Kbps, IrDA 1.0 compliant
- **DIO** 2 TTL digital out, 4 TTL digital in
- **Audio** Supports speaker, Line-in, Line-out, Microphone, CD-in, Speaker-out
- **USB** 4 x USB 1.1

Ethernet

- **Chipset** Realtek RTL8100B
- **Interface** IEEE 802.3, IEEE 802.3u, 10/100 Base-T

Display

Chipset	8601A Integrated	SMI 721 (optional)
Memory Size	2-8 MB	4 MB
Resolution	800 x 600 @ 24 bpp bpp (CR, 85Hz)	1280 x 1024 @ 24 (CRT, 60Hz)
	1024 x 768 @ 16 bpp bpp (CRT, 85Hz)	1024 x 168 @ 24 (CRT, 85Hz)
LCD Interface	Up to 24-bit TTL for TFT LCD	48-bit TTL for TFT LCD

Mechanical and Environmental

- **Power Consumption** Max. : 5 V @ 7 A
- **Temperature** 0 ~ 60° C (32 to 140° F), operation
- **Size/Weight** 220 x 235 mm (8.7" x 9.25"), 0.56 Kg
- **Operation Humidity** 0% ~ 90% relative humidity, non-condensing

Packing List

- 1 POS-564 SBC
- 1 FDD cable (p/n:1701340700)
- 1 HDD cable (p/n:1701400601)
- 1 serial cable (p/n:1701100300)
- Audio cable (POS-564F) (p/n:1700160160)
- Startup manual
- Utility CD

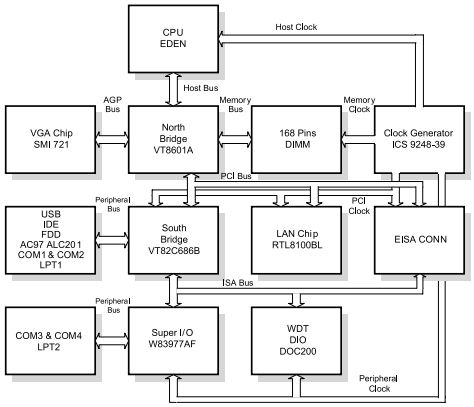
Ordering Information

- **POS-564-J0A1** Eden 400 LPX SBC for POS W/VGA&LCD/Audio/LAN
- **POS-564-M0A1** Eden 667 LPX SBC for POS W/VGA&LCD/Audio/LAN
- **POS-564F-J0A1** Same as POS-564-J0A1 w/ 64MB on board
- **POS-564F-M0A1** Same as POS-564-N0A1 w/ 64M on board

Accessories

- **POS-809A-00A1** Book-sized chassis for POS control boards (180W)
- **POS-102-0000** 4-slot PCI/ISA riser card
- **1700100170** 17.5 cm USB cable (2.54 mm)
- **1700100301** 30 cm USB cable (2.54 mm)

Board Diagram



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