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, supports 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
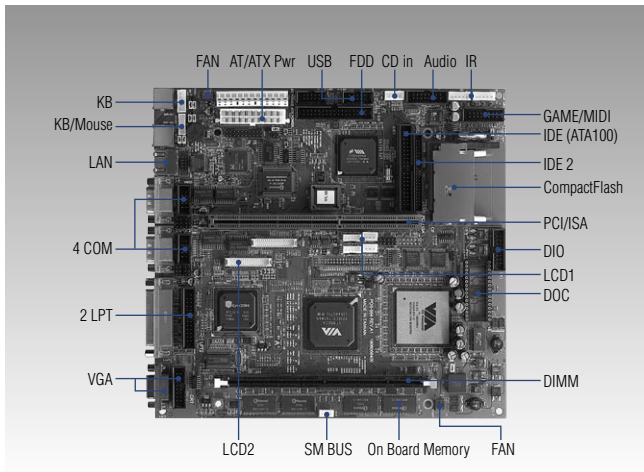
Specifications

General

- **CPU** — Embedded VIA Eden 400/667/800 (fanless)
- **2nd Cache Memory** — 64 KB on Processor
- **System Chipset** — VIA 8601A, VT82C686B
- **BIOS** — AWARD 256 KB Flash BIOS
- **System Memory** — SDRAM DIMM x 1, Max. 512 MB and onboard memory up to 128 MB
- **Power Management** — APM 1.1
- **SSD** — Support CompactFlash4 Card, DiskOnChip®
- **Watch Dog Timer** — 1 ~ 62 sec, System reset or IRQ11
- **Expansion Interface** — 1 x PCI/ISA slot
- **Battery** — Lithium 3 V/220 mAH

I/O

- **I/O Interface** — 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
- **USB** — 4 x USB 1.1
- **Audio** — Supports speaker, Line-in, Line-out, Microphone, CD-in, Speaker-out
- **IrDA** — 115.2 kbps, IrDA 1.0 compliant
- **GPIO** — 2 TTL digital out, 4 TTL digital in

Ethernet

- **Chipset** — Realtek RTL8100B
- **Speed** — 10/100 Base-T
- **Interface** — RJ-45
- **Standard** — 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 (CR, 85 Hz)	1280 x 1024 @ 24 bpp (CRT, 60 Hz)
	1024 x 768 @ 16 bpp (CRT, 85 Hz)	1024 x 168 @ 24 bpp (CRT, 85 Hz)
LCD Interface	Up to 24-bit TTL for TFT LCD	48-bit TTL for TFT LCD

Mechanical and Environmental

- **Dimension (L x W)** — 220 x 235 mm (8.7" x 9.25")
- **Weight** — 0.56 kg (weight of total package)
- **Operating Temperature** — 0 ~ 60° C (32 ~ 140° F), operation
- **Operation Humidity** — 0% ~ 90% relative humidity, non-condensing
- **Power Supply Voltage** — +5 V ± 5%
- **Power Consumption** — Max: 5 V @ 7 A

Board Diagram
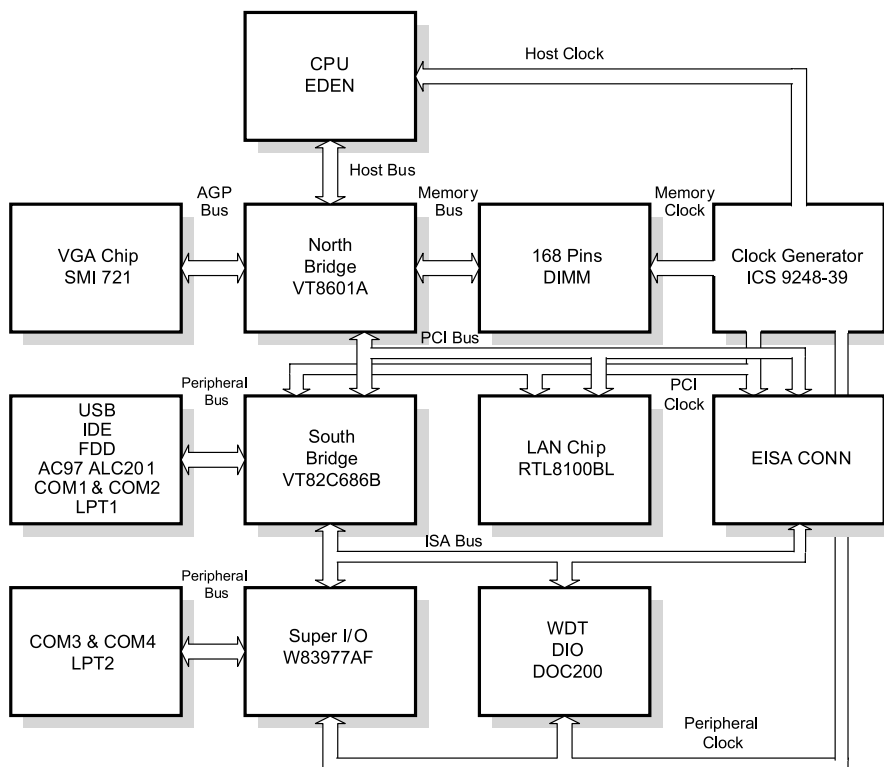
Packing List

- **1 x POS-564 SBC**
- **1 x FDD cable**   (p/n: 1701340700)
- **1 x HDD cable**   (p/n: 1701400601)
- **1 x serial cable**   (p/n: 1701100300)
- **1 x Audio cable (POS-564F)**   (p/n: 1700160160)
- **1 x Startup manual**
- **1 x 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/64 MB on board
- **POS-564F-M0A1**   Same as POS-564-N0A1 w/64 M on board

Optional Accessories

- **POS-809A-00A1**   Book-sized chassis for POS control boards (180 W)
- **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)