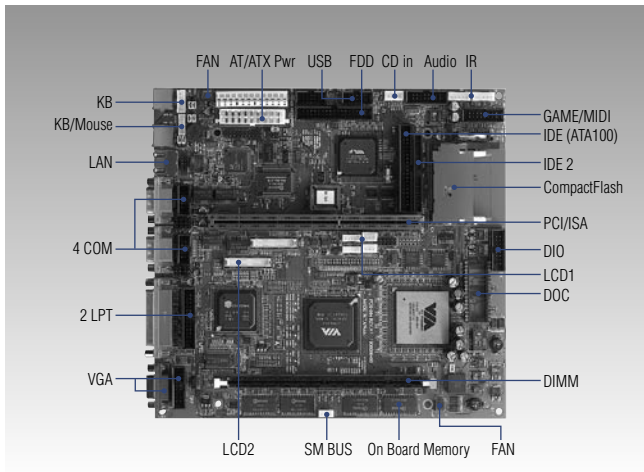


POS-564

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



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** 1 x SDRAM DIMM, Max. 512 MB and onboard memory up to 128 MB
- **Power Management** APM 1.1
- **SSD** Support CompactFlash4 card, DiskOnChip®
- **Watchdog Timer** 1 ~ 62 sec, system reset or IRQ11
- **Expansion Interface** 1 x PCI/ISA slot
- **Battery** Lithium 3 V/220 mA

I/O

- **I/O Interface** 2 x EIDE (40-pin Ultra DMA 66 & 100 and 44-pin Ultra DMA 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

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
- Four digital I/O & I2C interfaces
- Two parallel ports/four COMs
- 115 kbps SIR
- Up to 128 MB onboard memory (optional)
- AC' 97 Audio function

Ethernet

- **Chipset** Realtek® RTL8100B
- **Speed** 10/100Base-T
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3, IEEE 802.3u, 10/100 Base-T

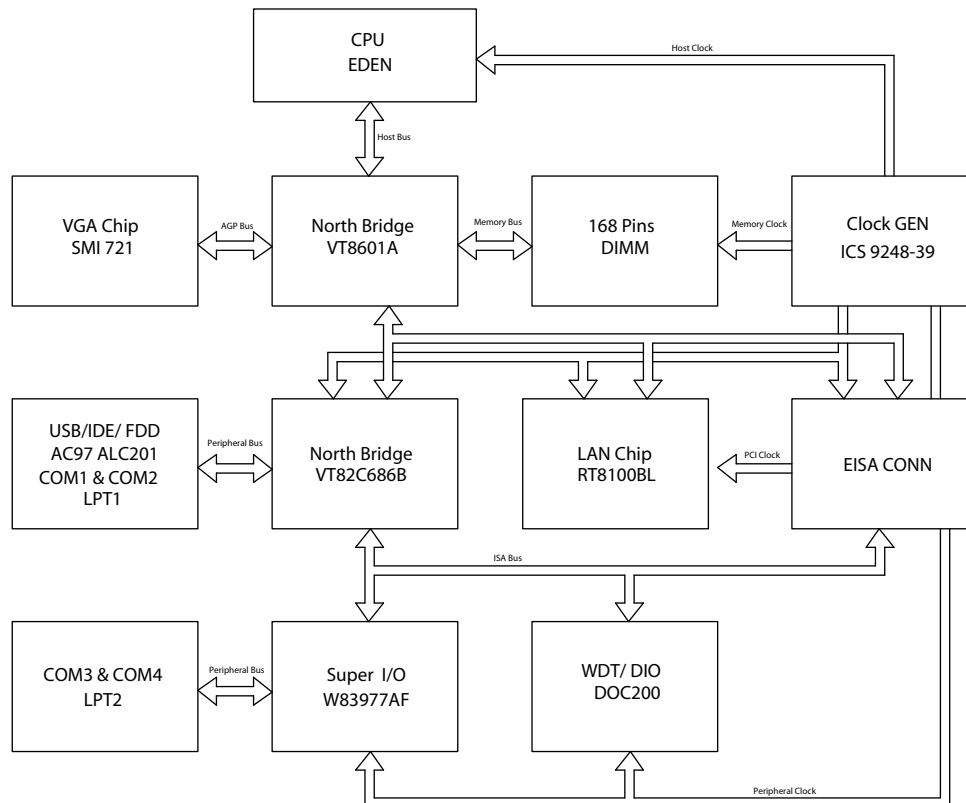
Display

- **Chipset** 8601A Integrated SMI 721 (optional)
- **Memory Size** 2 ~ 8 MB 4 MB
- **Resolution** 800 x 600 @ 24 bpp 1280 x 1024 @ 24 bpp
(CR, 85 Hz) (CRT, 60 Hz)
1024 x 768 @ 16 bpp 1024 x 168 @ 24 bpp
(CRT, 85 Hz) (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 (p/n: 1700160000)
- 1 x Jumper Pack (p/n: 9689000068)
- 1 x Startup manual
- 1 x Utility CD

Optional Accessories

- POS-102-0000E 4-slot PCI/ISA riser card
- 1700100170 17.5 cm USB cable (2.54 mm)
- 1700100301 30 cm USB cable (2.54 mm)

Ordering Information

Part No.	TTL	10/100	USB	RS-232	RS-232/422/485	GPIO	LPT	CF	EISA	CPU	onboard memory
POS-564-J0A2E	Yes	1	4	3	1	2 in, 4 out	2	Yes	1	Eden 400	-
POS-564-M0A2E	Yes	1	4	3	1	2 in, 4 out	2	Yes	1	Eden 667	-
POS-564F-J0A2E	Yes	1	4	3	1	2 in, 4 out	2	Yes	1	Eden 400	64 MB
POS-564F-M0A2E	Yes	1	4	3	1	2 in, 4 out	2	Yes	1	Eden 667	64 MB