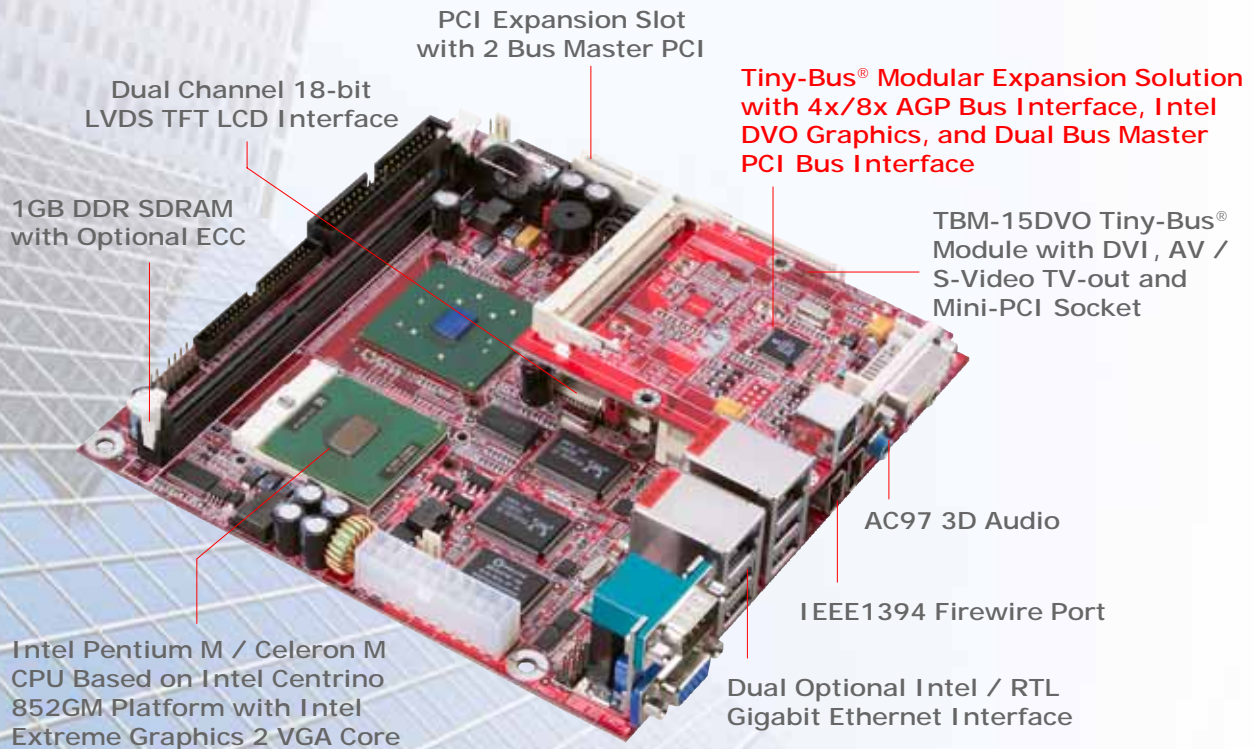


ITX-6800

Mini-ITX Intel Pentium M EmBoard



The Liantec ITX-6800 is an all-in-one industrial embedded motherboard based on the Mini-ITX form factor and Intel Centrino™ mobile platform with Intel Pentium M / Celeron M CPU, 82852GM GMCH and ICH4 chipset, and features the onboard dual Gbit Ethernet, IEEE1394 Firewire, and Liantec Tiny-Bus® Modular Expansion Solution with AGP, Intel DVO Graphics, and dual bus master PCI bus interface. With the Intel Pentium M platform, Mini-ITX form factor and Tiny-Bus® Modular Expansion Solution, the ITX-6800 offers the industrial Small Form Factor (SFF) x86-based computing solution with embedded and flexible modular expansibility.

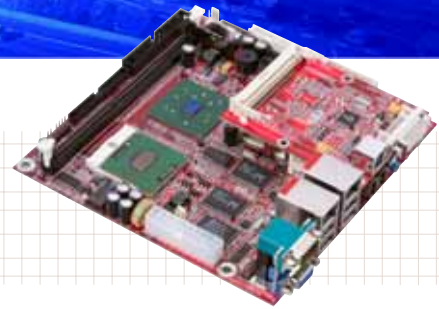
Key Features

- Intel embedded mobile 852GM platform with Intel mobile Pentium M / Celeron M CPU, DDR SDRAM and GMCH built-in 3D graphics core.
- Optional Intel Pentium M LV and Celeron ULV CPU for fanless operating.
- Intel 852GM GMCH built-in dual channel 18-bit LVDS TFT LCD interface.
- Optional Intel DVO-based DVI, Composite AV / S-Video TV-out and mini-PCI socket based on TBM-15DVO Tiny-Bus module.
- Onboard AC97 3D audio, dual Gbit Ethernet and IEEE1394 Firewire interface.
- One PCI slot supports two bus master PCI bus interfaces.
- **Tiny-Bus® Modular Expansion Solution with 4x / 8x AGP bus interface, Intel DVO Graphics, and dual bus master PCI bus interface.**
- 6 external and 2 internal Hi-Speed USB 2.0 ports.
- Compact, slim type and fanless barebone solutions are available.



ITX-6800

Mini-ITX Intel Pentium M / Celeron M EmBoard with VGA, LVDS, IEEE1394, Dual Gbit Ethernet Optional DVI, TV-out and Mini-PCI Interface Tiny-Bus® Modular Expansion Solution



Form Factor

Mini-ITX / Mini-FlexATX form factor at 170 x 170 mm

CPU

Intel mobile Pentium M / Celeron M CPU at 533/400MHz FSB
Customized Intel Pentium M LV / Celeron M ULV for OEM

Memory

One DDR DIMM supports 1GB DDR SDRAM

Chipset

Intel embedded mobile 852GM GMCH and ICH4 chipset

Watchdog Timer

Programmable system reset watchdog timer

PCI Enhanced IDE Port

40-pin primary and 44-pin secondary UltraATA100 IDE ports

Expansion Bus Interface

One PCI slot supports two bus master PCI bus interface
Liantec Tiny-Bus® embedded modular expansion solution with
AGP, Intel DVO Graphics, and dual PCI bus interface

Video Interface (VGA and LVDS)

Intel mobile 852GM GMCH built-in Extreme Graphics 2 core
with dual-channel 18-bit LVDS transmitter
External DB15 female connector for VGA on rear I/O panel
Onboard 40-pin Hirose DF13-40DP-1.25V LVDS connector

Extended Video Interface (DVI and TV-out)

Intel 852GM GMCH built-in DVO interface
Intel DVO-based DVI and TV-out via Tiny-Bus® module

Audio Interface

AC97 3D audio with Intel ICH4 and onboard ACL655 codec
Supports 5.1 channel and S/P DIF audio interface
External line-out, mic-in, line-in phone jacks on rear I/O panel

Ethernet Interface (Optional Intel / RTL)

Onboard optional single / dual Intel / RTL Gigabit Ethernet
External single / dual RJ45 with dual USB on rear I/O panel

IEEE1394 Firewire Interface (Optional)

Onboard IEEE1394 firewire interface with Agere FW323
External 2 IEEE1394 firewire connectors on rear I/O panel

Hi-Speed USB 2.0 and Multi-I/O Port

6 external and 2 internal Hi-Speed USB 2.0 ports
One external and one internal RS232 COM port

External Rear I/O Port

DB15 female VGA and DB9 male COM port
2 x RJ45 Ethernet and dual USB ports
2 x IEEE1394 Firewire connectors (Optional)
Line-in, Mic-in, Line-out audio phone jack
Optional DVI and TV-out connectors on TBM-15DVO module
Other external ports on add-on Tiny-Bus® module

Environment

Power Requirement: onboard 20-pin ATX power connector
Board Dimension: 170 x 170 mm (L x W)
Operation Temperature: 0 ~ 60°C (32 ~ 140°F)

Tiny-Bus® Modular Expansion Solution

ITX-6800 supports Tiny-Bus® Modular Expansion Solution with
AGP, Intel DVO and dual bus master PCI bus interface.

- **TBM-15DVO:** Intel DVO DVI, TV-out and Mini-PCI Module
- **TBM-1200:** Dual Mini-PCI Module
- **TBM-1210:** Dual PCMCIA CardBus and Mini-PCI Module
- **TBM-1222:** 4ch/120fps Video Capture and Mini-PCI Module
- **TBM-1230:** 4-Port Switch Hub and Mini-PCI Module
- **TBM-1250:** 4-/8-Port RS232 COM and Mini-PCI Module

Other customized AGP / DVO / PCI-based embedded Tiny-Bus® modules for ODM / OEM. For the further information about the Liantec embedded Tiny-Bus® modules, please visit the website at <http://www.liantec.com>.

Ordering Code

ITX-6800L: Mini-ITX Intel Pentium M / Celeron M EmBoard
with VGA, LVDS, Audio, Gbit Ethernet,
and Tiny-Bus Modular Expansion Solution

ITX-6800L2F: Same as ITX-6800L but with **Dual RTL Gbit Ethernet and IEEE1394 Firewire Interface**

ITX-6800N2F: Same as ITX-6800L but with **Dual Intel Gbit Ethernet and IEEE1394 Firewire Interface**

ITX-6800LDTP: ITX-6800L with **TBM-15DVO module Supports DVI, TV-out and Mini-PCI Socket**

ITX-6800-OEM: Customized ITX-6800 based EmBoard with
Onboard Intel Pentium M LV / Celeron M ULV
CPU and Tiny-Bus® Expansion Module.

Please visit the website of <http://www.liantec.com> for the further information.