

Segment Boards

VIA

MMC 7000

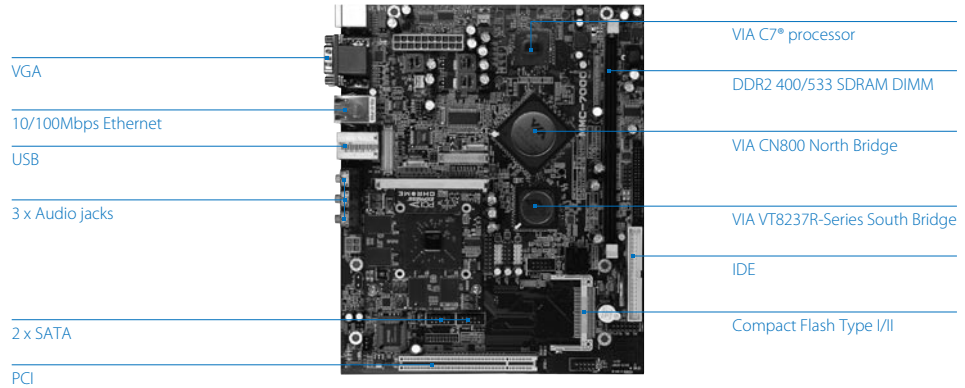
FlexATX Board with C7®,
MPEG-2, MXM, CF, VGA and
LVDS Support

Features:

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Supports DDR2 400/533 SDRAM DIMM
- Supports one PCI slot, up to three devices by riser card
- Supports one PCIe 16x based MXM-II slot (Mobile PCI Express Module)
- Supports Compact Flash type I/II
- Supports MFX (Multi-Function extension)
- Supports two SATA
- Supports LVDS/VGA interface
- DuoView® function for multiple display
- Supports eight USB2.0
- Optional TPM/2nd LAN/2nd LVDS/DVI/TV support



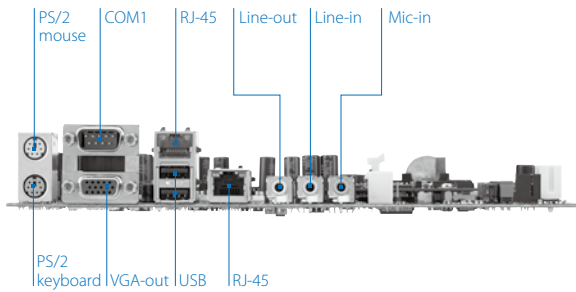
Board Placement



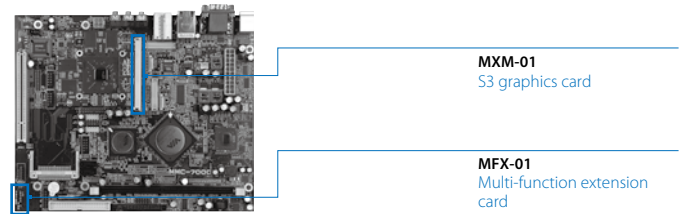
Specifications

Model Name	MMC 7000
Processor	1.5GHz VIA C7®
Chipset	VIA CN800 North Bridge VT8237R-Series South Bridge
System Memory	1 x DDR 2 400/533 DIMM socket Up to 1GB memory size
VGA	Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration Combined with optional S3 S20-series GPU module for high performance 3D graphic (128MB DDR3 RAM onboard, supports Microsoft® DirectX® 9.0 Vertex and Pixel Shaders version 2.0, DVI/VGA/TV out and DuoView function)
Expansion Slots	1 x PCI slot with 3 devices supported 1 x PCI-e 16x based MXM-II (Mobile PCI Express Module) slot
Onboard IDE	2 x UltraDMA 133/100/66 Connectors
Onboard LAN	1 x VIA VT6103L 10/100 Mbps Ethernet PHY Optional VIA VT6107 10/100 Mbps Fast Ethernet Controller or VT6122 Gigabit Ethernet Controller
Onboard Audio	VIA VT1618 multi-channel AC'97 Codec
Onboard TPM	Optional Infineon SLB9635TT v1.2
Onboard I/O Connectors	3 x USB pin connectors for 6 additional USB 2.0 ports 3 x Serial port pin connectors for COM2/3/4 (5V/12V selectable) 2 x LVDS connectors, for 1 18/24-bit dual channel LVDS panel (one is supported by MXM-II add-on card) 2 x SATA connectors 2 x Fan pin connectors: CPU/Sys FAN 1 x Compact Flash type I/II connector (shared with IDE1) 1 x LPC pin connector 1 x Front-panel audio pin connector (Mic and Line-out) 1 x CIR pin connector (switchable for KB/MS) 1 x SIR pin connector (IRDA 1.0) 1 x Digital I/O pin connector 1 x MFX interface 1 x DVI pin connector (supported by MXM-II add-on card) 1 x TV out (Composite/S-video or Component) pin connector (supported by MXM-II add-on card) 1 x S/PDIF out pin connector 1 x optional +12V power connector 1 x ATX power connector
Back Panel I/O	1 x PS2 mouse port 1 x PS2 keyboard port 1 x Serial port 1 x VGA port 1 x RJ-45 LAN port 2 x USB 2.0 ports 1 x Optional RJ-45 LAN port (for second LAN) 3 x Audio jacks: Line-out, Line-in and Mic-in (horizontal, Smart 5.1 Supported)
BIOS	Award BIOS LPC 4/8Mbit flash memory
Operating System	Windows 2000/XP, Linux, Win CE, XPe

Back Panel I/O



Accessories



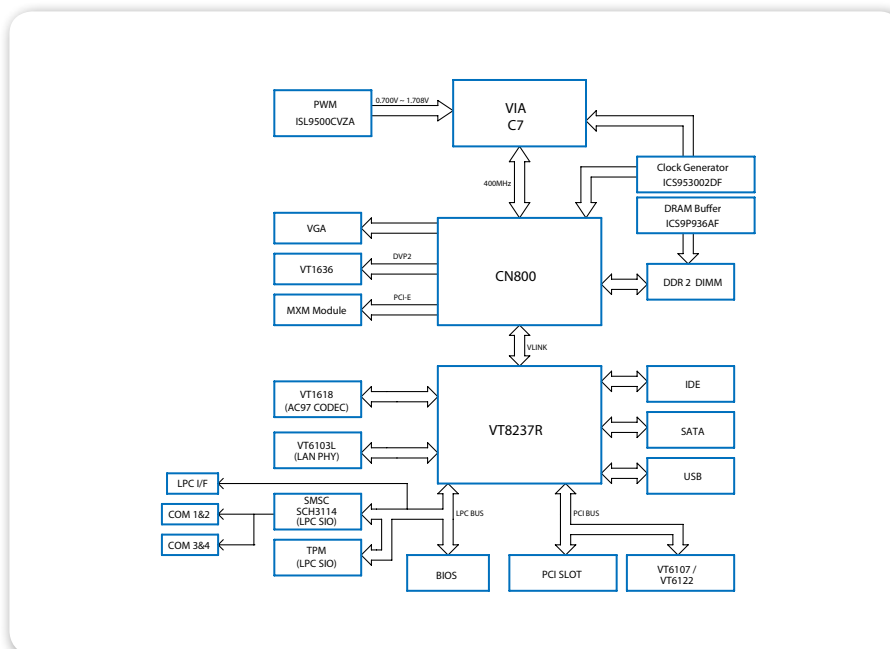
Specifications

System Monitoring & Management	CPU voltage monitoring Watch Dog Timer, FAN control Wake-on LAN, Keyboard Power-on, Timer Power-on System power management, AC power failure recovery
Operating Temperature	0°C - 50°C
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Form Factor	6-layer PCB 19 cm x 23 cm

Ordering Information

Model Name	CPU Frequency	Description
MMC7000	1.5GHz C7®	FlexATX Board with 1.5GHz C7®, MPEG-2, MXM, CF, VGA, LVDS support and optional TPM/2nd LAN/2nd LVDS/DVI/TV support

Block Diagram



Packing List

Items
1 x Driver Utility CD