



Specification

System Architecture

- Full size SBC with PCI/ISA Golden
- Finger
- DVI 1.0 compliant
- PCI V2.2 compliant
- PICMG 1.0 (Rev. 2.0) compliant
- USB 2.0 compliant

Microprocessor

- Single mPGA 478 socket
- Support Intel® Pentium® 4 /Celeron® processor, speed up to 3.2GHz with 400/533/800 MHz FSB, 256KB/512KB/1MB L2 cache
- Support Hyper-Threading technology
- Prescott CPU support only on 1P0735VL03, 1P0735VL04, and 1P0735VL05 (rev. C).

Chipsets

- Intel® 865GV/G (GMCH)
- Intel® ICH5 (I/O controller Hub)
- FWH

Dynamic RAM

- 184-pin DIMM x 2, support DDR 266/333/400 SDRAM memory up to 2GB
- Dual 64-bit DDR channels, 3.2GB/s bandwidth per channel
- Support unbuffered and non-ECC DIMMs only

BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- ACPI 2.0 compliant
- 4M bits flash ROM

Dimensions

- 338.58mm(L) x 122mm(W)

Ordering Information

- | | |
|-------------------|---|
| SBC-5021 | - Full-size Socket 478 Intel® Pentium® 4 / 800MHz FSB SBC w/single 10/100 LAN (Intel® 82551QM) |
| SBC-5021-1 | - Full-size Socket 478 Intel® Pentium® 4 / 800MHz FSB SBC w/dual 10/100 LAN (Intel® 82551QM + Intel® 82562EX) |
| SBC-5021-2 | - Full-size Socket 478 Intel® Pentium® 4 / 800MHz FSB SBC w/dual LAN (Intel® 82547EI Gigabit LAN + Intel® 82551QM 10/100 LAN) |

Onboard VGA

- Integrated Graphics controller from Intel® 865GV/G
- Hardware motion compensation assist for software MPEG/DVD decode
- Fully PC 98 and PC 99 Compliant
- 15 pin CRT connector x 1

Onboard LAN

- Single Intel® 82551QM (PRO/100 Network Connection) 10/100 Fast Ethernet controller for OmegaRay VL
- Intel® 82547EI (PRO/100 CT Network Connection) Gigabit Ethernet controller x 1 (dedicated by CSA port directly from the Intel® 865G GMCH) and Intel® 82551QM (PRO/100 Network Connection) 10/100 Fast Ethernet controller x1 for OmegaRay VL2G
- Intel® 82551QM (PRO/100 Network Connection) 10/100 Fast Ethernet controller x1 and Intel® 82562EX (PRO/100 VX Network Connection) 10/100 Fast Ethernet Controller x1 for OmegaRay VL2
- RJ45 with LED connector x 2

System Monitoring

- Derived from Super IO ITE 8712F-A to support system monitor.
- 8 voltage (For+1.5V, +3.3V, +5V, -5V, +12V, -12V, Vcore and +5VSTBY)

Operating Environment

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certifications

- CE approval
- FCC Class A