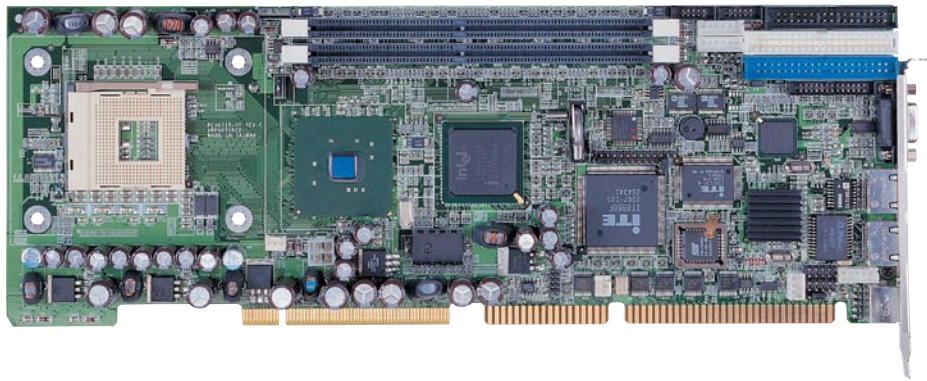


AlphaRay

Intel® P4 full size Socket 478 w/VGA/Dual LAN/DDR



Ordering Information

AlphaRAY-VL

Full-sized socket 478 Intel® Pentium®4 /Celeron® /Pentium®4-M processor w/VGA/DDR/LAN
 (Intel® 82551QM 10/100 LAN)

AlphaRAY-VL2

Full-sized socket 478 Intel® Pentium®4 /Celeron® /Pentium®4-M processor w/VGA/DDR/Dual LAN
 (Intel® 82551QM 10/100 LAN x2)

AlphaRAY-VL2G

Full-sized socket 478 Intel® Pentium®4 /Celeron® /Pentium®4-M processor w/VGA/DDR/Dual LAN
 (Intel® 82540EM Gigabit + 82551QM)

Options

Pentium 4 (Call your local sales contact for availability)

DDR Memory Options

64MB DDR DIMM
 128MB DDR DIMM
 256MB DDR DIMM
 512MB DDR DIMM
 1 GB DDR DIMM

Specifications

System Architecture

- Full size SBC PICMG 1.0 (rev.2.0) compliant
- PCI V2.2 compliant

Microprocessor

- Socket 478 for Intel® Pentium® 4/ Celeron® processor up to 3.06GHz+ with 400/533MHz FSB
- Support Hyper-Threading™ technology
- Support Intel® Pentium® 4 processor-M up to 2.2GHz+ with 400MHz FSB

Chipsets

- Intel® 845GV (GMCH) chipsets (B stepping)
- Intel® 82801DB x 1 I/O Controller Hub (ICH4)
- Firmware Hub (FWH) 4M bits flash ROM x1
- PCI V2.2 compliant

Dynamic Ram

- DDR DIMM x2 support max. memory size up to 2GB (DDR 200/266/333)
- Support single-sided/Double-sided (Does not support double-sided x16 DDR DIMMs)
- Support unbuffered non-ECC DIMMs only

BIOS

- ACPI 1.0b compliant
- Award System BIOS
- Plug & Play support
- Advanced power management support
- 4M bits flash ROM

Onboard VGA

- Intel® 82845GV (GMCH) chipset integrated with Graphics controller
- Hardware motion compensation assist for software MPEG/DVD decode
- 15 pin CRT connector x1
- 64MB VGA share Memory
- Fully PC 98 and PC 99 Compliant

Onboard LAN

- RJ45 with LED connector x 2
- WfM 2.0 compliant
- Drivers support: DOS/Windows®, Windows® 95/98/2000, Windows® NT, Netware 5.0, Linux
- Dual Intel® 82551QM (PRO/100 Network Connection) 10/100 ethernet controllers for AlphaRay-VL2
- Intel® 82551QM (PRO/100 Network Connection) controller x1 and Intel® 82540EM gigabit ethernet controller x1 for AlphaRay-VL2G
- Compliant with IEEE802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3y, IEEE802.3ab

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 Vcc5V Stand-By)
- One fan speed for CPU; one fan speed for System
- Temperature x2 (one for CPU internal use, another for external system use)

Power Requirements

- Voltage Maximum (+5V/12A) (+12V/8A)

Operating Environments

- Operating temperatures: -20°C to 60°C
- Storage temperatures: -25°C to 80°C
- Relative humidity: 10% to 90% (non-condensing)

Dimensions

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

Certification

- CE approval
- FCC Class A