

NICE 3100P2

Intel® Pentium® M/Celeron® M Fan-less System
with 2 x PCI Expansion Slots



Main Features

- ♦ Supports Intel® Pentium® M/Celeron® M Processors with 400 MHz FSB
- ♦ Intel® 852GM Chipset
- ♦ Dual 10/100 Ethernet LAN Ports
- ♦ 6 x USB 2.0/VGA/DVI/TV-Out Interface
- ♦ Supports 2 x 32-bit/ 33MHz PCI Cards
- ♦ 3 x RS232 and 1 x RS232/422/485 via DB44 Connector
- ♦ On-board DC to DC Power Designed to Support +12 to +30 VDC Power Input
- ♦ Supports ATX Power Supply and PXE/wOL

Product Overview

The new NICE 3100P2 has a re-designed aluminum chassis to accommodate two PCI peripherals expansion with ease. The NICE 3100P2 has dual Ethernet ports to communicate between multiple network connections. And wide ranges of supported CPUs in NICE 3100P2 provide ample computing power to control connected peripherals.

Featuring Intel® 852GM & ICH4 chipsets, the NICE 3100P2 fan-less box computer supports Intel's Pentium® M/Celeron® M processor with 400 MHz FSB and DDR 200/266 memory up to 2 GB. The rugged NICE 3100P2 fan-less box computer is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. The added expansion feature is perfect to configure NICE 3100P2 in office automation, machine automation environment, and more.

Specifications

Main Board

- ♦ EBC 573FL(LF)
- ♦ Support Intel® Pentium® M processors in 478-pin, Micro-FCPGA package from 1.6 to 1.8 GHz with 1 MB or 2 MB L2 cache
- ♦ Support Intel® Celeron® M processors in 478-pin, Micro-FCPGA package from 1.3 to 1.5 GHz with 512 KB or 1 MB L2 cache
- ♦ Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M processors in 479-ball, Micro-FCBGA package
- ♦ Supports 400 MHz FSB CPUs only
- ♦ Intel® 852GM and ICH4 chipset

Main Memory

- ♦ 2 x 184-pin DDR 200/266 DIMM sockets, up to 2 GB unbuffered non-ECC DDR SDRAM

Expansion Slot

- ♦ Supports 2 x 32-bit/33 MHz PCI Card
- ♦ PCI Length support:
 - 1 x 160 mm PCI, 1 x 240 mm PCI (When 2.5" HDD installed)
 - 2 x 240 mm PCI (When no HDD is installed)

I/O Interface-Front

- ♦ Optional customized logo
- ♦ HDD Access/Power/LAN status LEDs
- ♦ 2 x USB 2.0 ports
- ♦ ATX power on/off switch

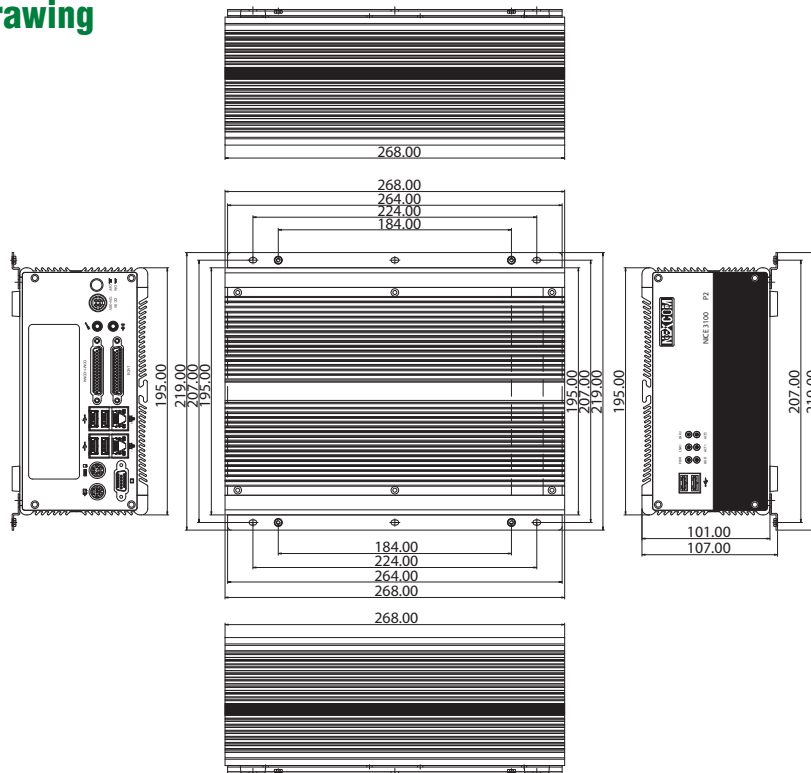
I/O Interface-Rear

- ♦ 1 x PS/2 Keyboard/Mouse
- ♦ 4 x USB 2.0 ports
- ♦ 4 x Serial ports
- ♦ 1 x Audio Mic-in x 1 and Speaker-out
- ♦ 1 x DVI interface
- ♦ 2 x 10/100 Ethernet LAN
- ♦ 1 x VGA connector
- ♦ 1 x S-Video TV-Out
- ♦ 1 x 2-pin connector output for remote power on/off switch

Device

- ♦ 1 x on-board CompactFlash socket
- ♦ 1 x internal 2.5" HDD drive bay

Dimension Drawing



Power Input

- DC to DC power designed for on-board support of 12 to 30 VDC (Max: 120 Watts)
- 1 x External 120 W AC adapter
- Power input: 100 to 240 V AC 2 A 50/60 Hz
- Power output: 24 VDC

Dimensions

- 195 mm (W) x 268 mm (D) x 107 mm (H) (7.6" x 10.5" x 3.1")

Construction

- Aluminum chassis with fan-less design

Environment

- Operating temperature:
- Ambient with air flow : 0°C to 40°C
- NICE 3100 Tcase (Surface Temperature of Chassis)
 - 5°C to 45°C (W/HDD)
 - 10°C to 50°C (W/CF card only)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certifications

- CE approval
- FCC

Ordering Information

- **Barebone**
NICE 3100P2 (P/N: 1J3100P201X0) RoHS Compliant
 Support Intel® Pentium® M/Celeron® M fan-less Bare-Bone System
 PCI Expansion Slot x 2