

# KD8NATOM-19T

## 8N FAN-LESS SERIES



**Intel ATOM N270 1.6GHz ,  
1 x GLAN, 1 x COM, 2 x USB ,  
2 x SATA , 1 x Mini PCI slot**



### 19" Industrial Panel PC with Touch Screen

- > Fan-less and compact design
- > CPU on board
- > IP65 in the front bezel
- > 1 x 200 Pin DDR2 So-DIMM max up to 2GB
- > 1 x GLAN
- > 2 x USB 2.0
- > 2 x SATA
- > 1 x Mini PCI slot
- > VESA 100x100mm & 75 x75 mm (optional)
- > 18V - 24V wide range DC power input (optional)

## Introduction

The KD8NATOM-19T are fan-less 19" industrial Panel PCs with resistive touch screen Intel ATOM 1.6GHz(CPU on board) with 945GSE chipset designed for low power CPU performance without fan, which make it an ideal solution for fan-less solution, low noise operation.

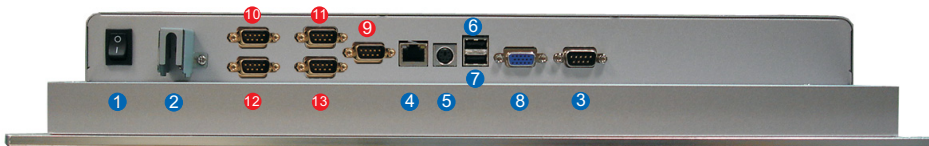
The 19" Industrial Panel PCs

feature power-efficient graphics with an integrated 32-bit 3D graphics engine based on Intel Graphics Media Accelerator 950 architecture and provides I/O capabilities and flexibility via high-bandwidth interfaces such as Mini PCI , Serial ATA Hi-Speed USB 2.0 connectivity. It also supports 1 x DDR II So-DIMM up to 2GB, 1 x RS232 , 1 x GLAN, 2 x USB 2.0 , 1 x VGA , 1 x Rack for 2.5" HDD, 1 x DC in

power adapter and 1x Mini PCI socket capability in this application ready platform.

The 19" Industrial Panel PCs target industrial automation, automation control, factory automation, digital signage , wireless automation and gaming application involves data acquisition, distributed process control, database management, field I/O control, and access control.

## External I/O Ports



1. Powe Switch
- 2.Special holder for DC in power adapter
- 3.COM 1
- 4.GLAN
- 5.PS2
- 6.USB1
- 7.USB2
- 8.VGA Port
- 9.COM 2 (Optional)
- 10.COM3 (Optional)
- 11.COM4 (Optional)
- 12.COM5(Optional)
- 13.COM6(Optional)
- 14.VESA Mounting (Optional)
- 15.Mounting holes in the back side



## Specifications

### System

**CPU** : Fan-less Intel ATOM 1.6Ghz ( CPU on board )  
**Chipset** : Intel 945GSE + ICH7M  
**Memory Support** : 1 x 200 pin DDR 2 SO- DIMM up to 2G  
**Watchdog Timer** : System reset programmable watchdog timer with 1~255 sec./min. of timeout value  
**Power Supply** : External DC in, 60W power adapter

### I/O Ports

1 x VGA  
1 x PS2  
1 x GLAN  
2 x USB 2.0  
1 x RS-232

### Enhanced IDE

One 44-pin IDE port on board

### Serial ATA

2 x serial ATA interface , up to 150 MB/s of transfer rate

### Drive bay

1 x 2.5" HDD

### SSD

1 x CF Type II Socket on solder side

### Display

**LCD Panel** : AUO 19" LCD panel  
**Resolution** : 1280 x 1024 dpi  
**Touch Screen** : 5-wire Resistive Type  
**Brightness (cd/m<sup>2</sup>)** : 250  
**Contrast** : 1000 : 1  
**Mounting** : Panel, VESA 100mm x 100mm  
75mm x 75mm

### Expansion

1 x Mini PCI socket for wireless 1xLAN Module or Mini PCI 4 x Com ports

### IP Level

IP65 in the front bezel

### Front Panel Color

Sliver

### Construction Front Panel

High quality aluminum bezel (anodizing treatment) + steel chassis (sliver)

### OS Support

Win XP, Embedded XP, Linux

### Environment

**Operation Temp** : 0 ~ 40°C  
**Storage Temp** : -10 ~ +70°C  
**Humidity** : 0% ~ 90% relative Humidity  
Non-condensing

## Ordering Information

**KD8NATOM-19T2HL** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, rack for 2.5" HDD  
**KD8NATOM-19TCL** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1x Compact Flash Socket on the solder side.  
**KD8NATOM-19TDL** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1 x IDE 44Pin 128MB to 8G DOM or 1x 128MB to 8GB SATA DOM  
**KD8NATOM-19T2HLW** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, rack for 2.5" HDD, 1x Wireless Mini PCI LAN Module.  
**KD8NATOM-19TCLW** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1x Compact Flash Socket on the solder side, 1x Wireless Mini PCI LAN Module  
**KD8NATOM-19TDLW** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1x IDE 44Pin 128MB to 8G DOM or 1x 128MB to 8GB SATA DOM, 1x Wireless Mini PCI LAN Module  
**KD8NATOM-19TCL** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1 x 2G compact flash card, Embedded XP  
**KD8NATOM-19TDLE** : 19" Panel PC with touch screen, Intel ATOM 1.6GHz, 1 x 2G DOM, Embedded XP

### Options

**KDCOMC** : 1 x RS-232 /422/485 Serial port cable  
**KDUSBC** : 2 x USB 2.0 port cable  
**KDWIMO** : 1 x Mini PCI wireless 1 x LAN Module  
**KDBEZB** : Black front bezel  
**KDDVI** : DVI cable  
**KDAUDIO** : Audio Cable (Line-in · Line-out · MIC in)  
**KDCOMO** : Mini PCI 4 x Com port  
**KDVESA** : 100mm x 100 mm & 75mm x 75mm

### Packing List

- > 1 x Utility Disc ( driver, manual)
- > 1 x 44 Pin flat cable and 1x SATA cable and 4 screws for 2.5" HDD
- > 1 x 12V DC in external power adapter
- > 1 x Power cord (EU or US which type of cord is sent depends on the country )