

# KDATOMO-19TSV 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 Open Frame with Back Cover with Touch Screen

- > Fan-less and compact design
- > CPU on board
- > 16:9 AUO19" LCD Panel
- > High quality Back Cover
- > 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 KDATOMO-19TSV are fan-less 19" industrial open frames with resistive touch screens are equipped with high quality back cover, 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 open frames.

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 open frames with back cover target commercial automation, automation control, digital signage, kiosk and wireless automation, gaming application involves data acquisition, distributed process control , databasemanagement, 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)



## 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 16:9 19" LCD panel  
**Resolution** : 1440 x 90 dpi  
**Touch Screen** : 5-wire Resistive Type  
**Brightness (cd/m2)** : 300  
**Contrast** : 800:1  
**Mounting** : Wall Mount, VESA  
100mm x 100mm 75mm x 75mm

### Expansion

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

### Construction Panel

Open Frame chassis with back cover (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

**KDATOMO-19TSV2HL** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, rack for 2.5" HDD.

**KDATOMO-19TSVCL** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, 1x Compact Flash Socket on the solder side.

**KDATOMO-19TSVDL** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, 1 x IDE 44Pin 128MB to 8G DOM or 1 x 128MB to 8GB SATA DOM.

**KDATOMO-19TSV2HLW** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, rack for 2.5" HDD, 1x Wireless Mini PCI LAN Module.

**KDATOMO-19TSVCLW** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, 1x Compact Flash Socket on the solder side, 1x Wireless Mini PCI 1 x LAN Module

**KDATOMO-19TSVDLW** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, 1x IDE 44Pin 128MB to 8G DOM or 1x 128MB to 8GB SATA DOM, 1 x Wireless Mini PCI 1 x LAN Module

**KDATOMO-19TSVCLE** : 19" 16:9 Open Frame with touch screen, Intel ATOM 1.6GHz, 1 x 2G compact flash card, Embedded XP

**KDATOMO-19TSVDLE** : 19" 16:9 Open Frame 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  
**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 flate cable and 1x SATA cable and 4 screws for 2.5" HDD
- > 1 x DC in external power adapter
- > 1 x Power cord (EU or US which type of cord is sent depends on the country)