

# Embedded Solution

## Car PC application

Car PC

Networking

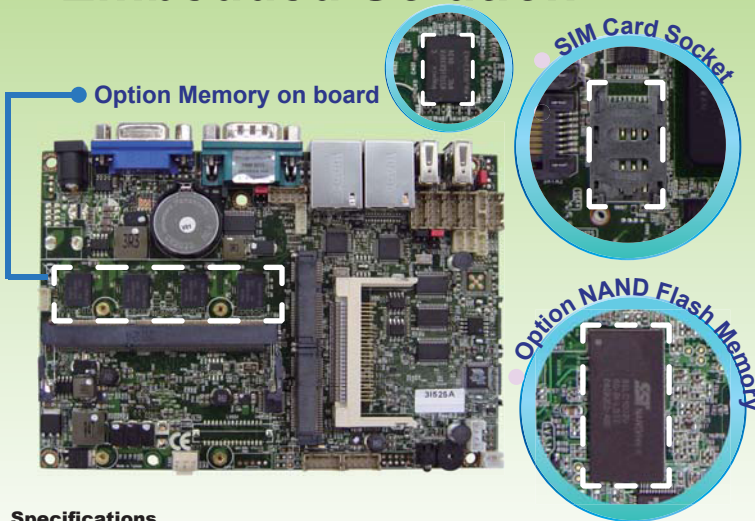
POS / Automation

DVR

Digital Signage / Thin Client

Embedded System

Panel PC



### 31525AW Series

**Application**  
Embedded Car PC / POS / ATM / Kiosk application

**Features**

- 3.5"
- Intel Atom D525
- 6 COM
- 2 SATA
- NAND flash memory
- 6V~36V
- HD Audio
- 3G / SIM card
- 6W stereo audio amplifier

**Specifications**

MODEL	31525AW Series
CPU Type	Intel Atom D525 1.8 GHz ( Dual core processor )
MB Chipset	Intel Atom D525 + ICH8M ( 82801 HBM )
BIOS	Award BIOS
Graphics	Intel Luna Pier Refresh Pineview-D Integrated Graphics Engine
System Memory	1 x DDR3 SO-DIMM socket ( max. 4GB ) or On board DDR3 SDRAM 2GB and 1 x DDR3 SO-DIMM socket ( max. 2GB )
NAND Flash Memory	CF Card Type 2 socket for ATA interface On board SSD 2 / 4 / 8 GBytes ( option )
SATA	2 x SATA ports
Audio	Intel HD Audio Specification Rev. 1.0 Compliant. Support Line-out / Mic-in / Line-in
LAN	2 x Realtek RTL8111DL or Intel 82583V / 82574L 10 / 100 / 1000 Mbps
IO Function	5 x RS232 or 485 ( option ) + 1 x RS422 / 485 or 232 ( option ) Support PS/2 keyboard & mouse
USB	7 x USB 2.0 ( 2 external + 5 internal )
Audio Amplifier (option)	Two channels Audio Amplifier 6W / CH Class-D operation into an 8-Ω Load from a 12-V Supply
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable
Expansion Interface	1 x PCIe mini card for PCIe & USB interface 1 x USB & PCIe/mSATA auto detect interface
Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system or Wide range DC-IN from +6V to +36V ( option )
Dimension	145 x 102 mm ( 3.5 inch )
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

**Ordering Information**

- . 31525A-R000-00      2 Realtek GbE, 1 x DDR3 SO-DIMM Socket
- . 31525A-RH13-00    2 Realtek GbE, 1 x DDR3 SO-DIMM Socket, 1GB on board memory

**Testing environment**

Model name: 31525A-R000-00  
CPU: Intel Atom D525 1.8 GHz  
Chipset: Intel Atom D525 + ICH8M  
OS: WIN XP  
Testing Program: 3D Mark 2001

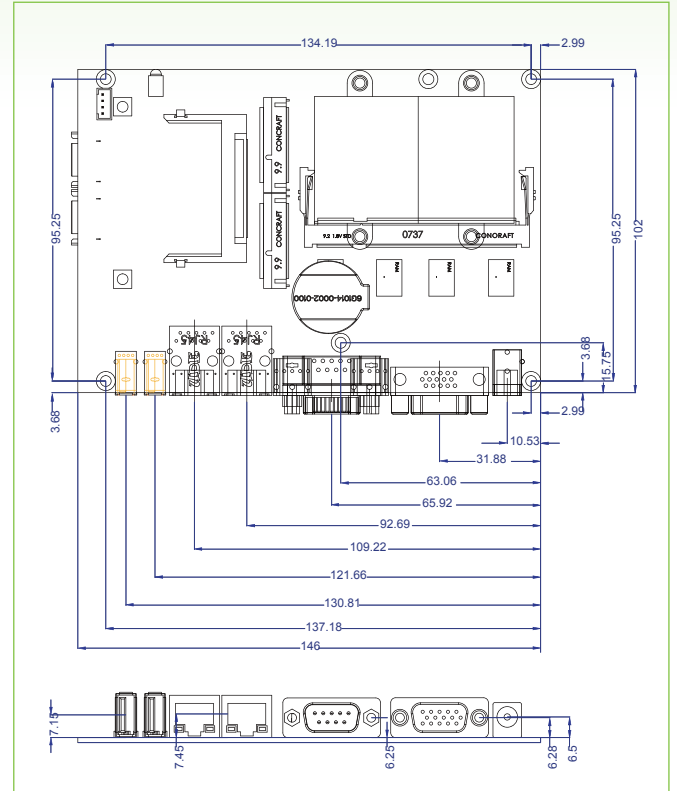
Fanless solution with CF card							
Chassis Temperature	LEO	TWITTER	TWITTER-IO	BRIK	BLOK	NEO	1U half fanless
0°C~40°C	Pass	Pass	Pass	Pass	Pass	Pass	Pass
60°C	Pass	Pass	Pass	Pass	—	Pass	—

Fanless solution with 2.5" HDD							
Chassis Temperature	LEO	TWITTER	TWITTER-IO	BRIK	BLOK	NEO	1U half fanless
0°C~40°C	Pass	Pass	Pass	Pass	Pass	Pass	Pass
50°C	Pass	Pass	Pass	Pass	—	Pass	—

Please upgrade the hard drive to industrial grade for better temperature performance.

**Dimension**



**Back Panel**

