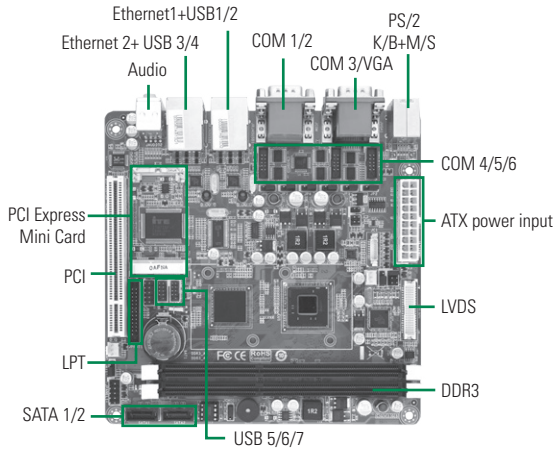


# MANO825

Mini-ITX SBC with Intel® Atom™ D525 Processor, Intel® NM10, VGA/LVDS, Dual LANs and 6 COM



## System

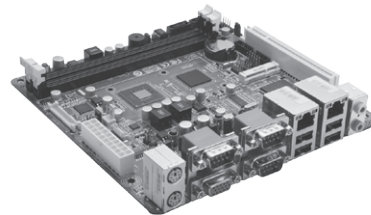
CPU	Intel® Atom™ processor D525 1.8 GHz onboard
System Memory	2 x 240-pin DIMM support DDR3-800 max. up to 4 GB
Chipset	Intel® NM10
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI 1 x PCI Express Mini card
Battery	Lithium 3 V/ 220 mAh
Power Requirements	Intel® Atom™ D525 Dual Core Pineview-D, 2 GB DDR3 x 2 Max. RMS: +5V @ 1.6A, +12V @ 0.6A, -12V @ 0.1A, +5VSB @ 0.1A, +3.3V @ 1.8A
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x PS/2 keyboard & mouse 6 x RS-232; with +5V/+12V powered by jumper selection 1 x LPT
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and Smart fan control
Ethernet	2 ports as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek 8111E
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	7 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital IO	8 channels (4-IN & 4-OUT)

## Features

- Intel® Atom™ processor D525 1.8 GHz onboard
- 2 DDR3-800 MHz DIMM max.up to 4 GB
- VGA/LVDS with dual view supported
- 2 SATA-300
- 6 COM ports
- PCI slot and PCI Express Mini Card



▲ Side view

## Display

Chipset	Intel® GMA3150 graphics core
Memory Size	Intel® DVM 4.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single channel

## Packing List

User's manual/utility CD, SATA cable

## Ordering Information

Standard	
MANO825VGA-D525	Mini ITX SBC with Intel® Atom™ processor D525, VGA/LVDS, 2 GbE LANs, 6 COM, HD audio and PCI expansion
Optional	
594M8252110E	COM port cable, 5x2P, P=2.0 mm, L=200 mm

SBC Services and Solutions

System on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

**4** Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix

