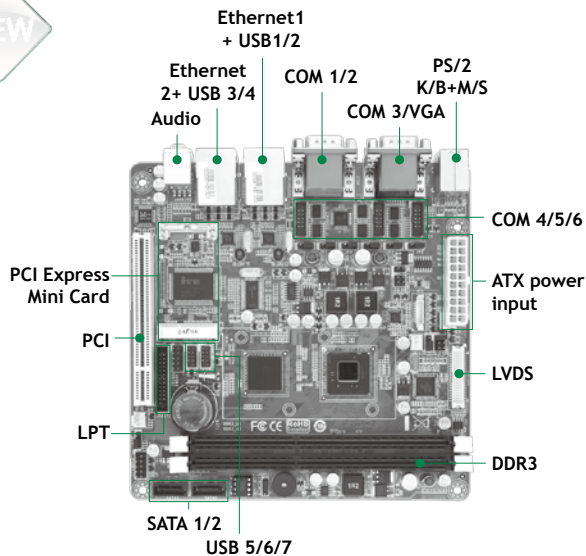


# MANO825

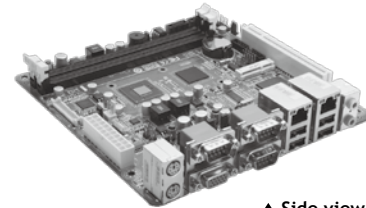
Intel® Atom™ D525/ D425 Mini ITX SBC with Intel® NM10 Chipset, VGA/LVDS, Dual LANs and 6 COM



DualView

## Features

- Intel® Atom™ processor D525/ D425
- DDR3-800 MHz
- DualView with VGA & 24-bit LVDS
- 2 SATA-300
- 6 COM ports
- PCI slot
- PCI Express Mini Card



▲ Side view

## System

CPU	Intel® Atom™ processor D525 1.8 GHz dual core, D425 1.8 GHz single core 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
Size/Weight	170 x 170 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 1 x PS/2 mouse 6 x RS-232; with +5V/+12V powered 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 8111DL
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	7 x USB 2.0 port
SMBus	System Management Bus for advanced monitoring/control
Digital IO	4 channels IN & 4 channels OUT

## Display

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

## Packing List

### Standard

Quick installation guide, user's manual/utility CD, cable

## Ordering Information

Standard	
MANO825VGGA-D525	Mini ITX SBC with Intel® Atom™ processor D525, VGA/LVDS, 2 10/100/1000Mbps Ethernet, audio and PCI expansion
Optional	
MANO825VGGA-D425	Mini ITX SBC with Intel® Atom™ processor D425, VGA/LVDS, 2 10/100/1000Mbps Ethernet, audio and PCI expansion

SBC Services and Solutions

System on Modules

Embedded SBCs &gt; EPIC

Embedded SBCs &gt; 3.5" Capa

Embedded SBCs &gt; Pico-ITX

Embedded SBCs &gt; PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix