PC104A-AL

Atom

Top View

- VGA
- COM 2
- COM 1
- PCI Connector
- SATA 3.0
- LAN 1-2
- USB 3.0_1-2
- LVDS

Bottom View

- M.2 2242 M key
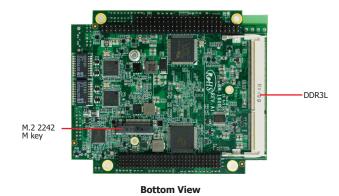- DDR3L

► Features

- DDR3L SODIMM memory up to 8GB
- Dual Displays: VGA + LVDS
- Support the PC/104 and PCI-104 connector on board
- Low Power Consumption: 9.5W
- PC/104 specification 2.6
- Wide operating temp: -40 to 85°C

DDR3L | **Low Power Consumption** | **eMMC** | **2 Displays**

► Specifications

SYSTEM	Processor	Intel Atom® Processor E3900 Series, BGA 1296 Intel Atom® x5-E3940 Processor, Quad Core, 2M Cache, 1.6GHz (1.8GHz), 9.5W Intel Atom® x5-E3930 Processor, Dual Core, 2M Cache, 1.3GHz (1.8GHz), 6.5W	
	Memory	Single DDR3L SODIMM up to 8GB	Single Channel DDR3L 1866MHz
	BIOS	AMI SPI 64Mbit	
GRAPHICS	Controller	Intel® HD Graphics	
	Feature	OpenGL 4.2, Direct X 11.1, OpenCL 1.2, OGL ES 3.0 HW Decode: H.264, MPEG2, VC1, VP8, H.265, MPEG4 HW Encode: H.264, MPEG2, MPEG4	
	Display	1 x VGA 1 x LVDS	VGA: resolution up to 1920x1200 @ 60Hz
EXPANSION	Interface	1 x M.2 2242 M key	
STORAGE	eMMC	1 x 8GB eMMC5.1 (opt.)	
ETHERNET	Controller	2 x Intel® I210IT PCIe (10/100/1000Mbps)	
INTERNAL I/O	Serial	1 x RS-232/422/485 1 x RS-232	
	USB	2 x USB 3.0 or 4 x USB 2.0	
	Display	1 x VGA 1 x LVDS	
	Audio	1 x Line-in 1 x Line-out	1 x Mic-in (opt.) 1 x Audio card w/ Line-in/Line-out/Mic-in (opt.)
	SATA	1 x SATA 3.0	
	DIO	4 x GPIO-in	4 x GPIO-out
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	Type	AT	
	Connector	DC5V	
	RTC Battery	CR2032 Coin Cell	
OS SUPPORT	Microsoft/Linux	Windows 10 IoT Enterprise (64-bit)	Linux
ENVIRONMENT	Temperature	Operating: -40 to 85°C	Storage: -40 to 85°C
	Humidity	Operating: 10 to 90% RH	Storage: 10 to 90% RH
MECHANICAL	Dimensions	96 mm (3.78") x 116 mm (4.57")	