

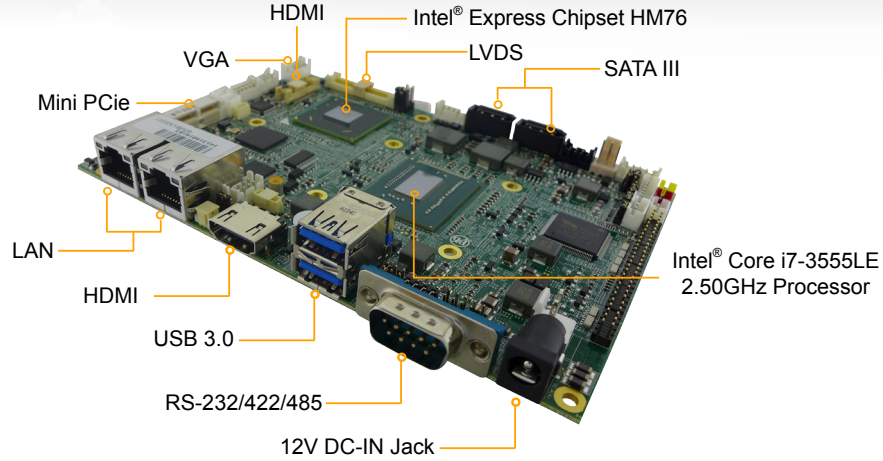
IV32 3.5" SBC

W/DC 12V Input

Intel® 3rd Generation Core™ i7 Processor, 3.5" Motherboard

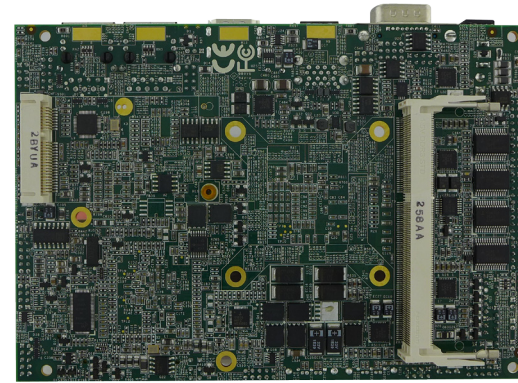
Features

- 3.5" Form Factor (146 mm x 102 mm)
- Intel® Core™ i7-3555LE 2.50 GHz Processor
- Intel® Express Chipset HM76
- Integrated VGA, Dual-channel 18/24-bit LVDS, HDMI
- 1 x DDR3 SO-DIMM 1333/1600 MHz, max. 8GB
- Integrated Intel® 82579-LM + WG82574L Ethernet
- Supports 2 x SATA III, 4 x COM, 3 x USB 3.0, 4 x USB 2.0
12 x GPIO, 1 x 1394b, 1 x Mini PCIe slot

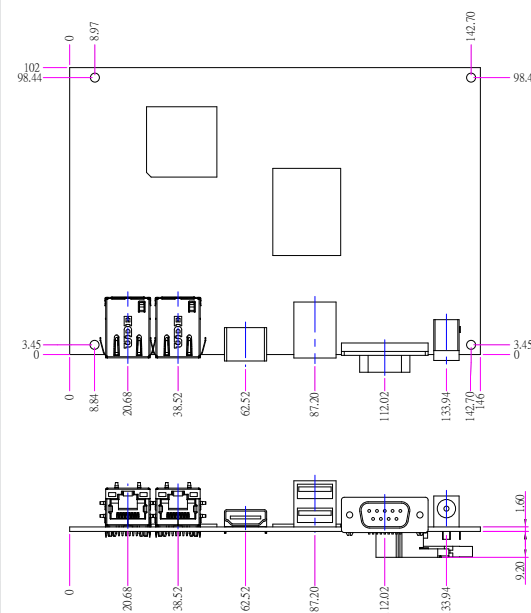


Specification		
System Specification	Processor	Intel® Core™ i7-3555LE 2.50 GHz Processor
	System Memory	DDR3 1333 / 1600 MHz SO-DIMM Slot, Max. 8GB
	Chipset	Intel® Express Chipset HM76
	BIOS Flash	AMI 16Mbit Flash
	Super IO Chipset	Fintek F81866
Display Specification	LCD Interface	Dual-channel 18/24-bit LVDS Up to 1920 x 1200 @ 60Hz
	Graphic Resolution	VGA Mode : Up to 1920 x 1200 @ 60Hz DVI : 1920 x 1200 @ 60Hz
	Multiple Display	Dual display
Audio	Codec	Realtek ALC886 HD Audio Codec
	Audio Interface	Line-in, Line-out, Mic in
Ethernet	LAN	Intel® 82579-LM GbE PHY + WG82574L GbE LAN
	Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible
I/O Connectors	Rear I/O	2 x RJ-45 1 x HDMI 2 x USB 3.0 1 x RS232 / 422 / 485 1 x DC-in Power Jack (+12V)
	Internal I/O	3 x RS-232 / 10-pin(2x5) 1 x USB 3.0 / 10-pin(2x5) 4 x USB 2.0 / 8-pin(2x4) 1 x LVDS / 40-pin(2x20) DF-13 connector 2 x SATA III 6.0Gb/s 1 x SATA Power 1 x Digital I/O(12-bit GPIO) / 14-pin(2x7) 1 x Power-input / 2-pin 1 x +12V for external power(Yellow) / 2-pin 1 x +5V for external power(Red) / 2-pin 1 x +3.3V for external power(Blue) / 2-pin 1 x Fan / 3-pin 1 x Panel inverter / 7-pin 1 x Front panel / 10-pin(2x5) 1 x Backlight brightness controller / 3-pin 2 x Speaker with Amp. / 2-pin 1 x HDMI (DVI-D) / 20-pin(2x10) 1 x VGA / 10-pin(2x5) 1 x 1394b / 10-pin(2x5) 1 x Audio (Mic-in / Line-in / Line-out) / 12-pin(2x6) 1 x Battery / 2-pin
	Expansion Slot	1 x Mini PCIe slot (for USB 2.0 wireless module) 1 x Mini PCIe slot (for SATA II SSD)
Mechanical and Environment	Dimensions (L x W)	146 mm x 102 mm / 5.7 x 4 inches (3.5" Form Factor)
	Operating Temperature	0 deg.C to 50 deg.C
	Storage Temperature	-20 deg.C to 60 deg.C(-4 deg.F to 140 deg.F)
	Humidity	10~95% RH@400C, non-condensing
Power Management	Power Requirement	12V DC-IN Power Jack
Operation System	OS Support	Windows 7 embedded
Packing List		IV32 Single Board Computer IV32 SBC User Manual IV32 Manual & Driver CD

Bottom View



Board Dimension



Rev.	Reasons	Revised Date
1.0	First release	Feb.08.13