

Features

- Ultra Small, Palm size Fanless embedded system
- Intel Bay Trail processor
- 1 x DDR3L SO-DIMM up to 8GB
- Support dual display for VGA, HDMI
- Support 2 x Mini-PCle (1 x mSATA, 1 x wifi/3G/4G)
- 1 x SATA II, 2 x Intel Gigabit Ethernet
- 3 x USB 2.0, 1 x USB 3.0, 4 x COM, 1 x VGA, 1 x HDMI, 1 x GPIO
- DC 12V power input connector with lock or phoenix contact connector



Core System

CPU	Intel Bay Trail J1900 Processor
System Memory	DDR3L-1333, 1 x SO-DIMM, up to 8GB
Chipset	Intel SoC Integrated
BIOS	AMI
Storage	1 x SATAII
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	2 x Mini-PCle (1 x mSATA, 1 x Wifi/3G/4G supported)
Power Input	1 x DC 12V power input connector with lock Optional: Phoenix contact connector
Dimensions	182 x 115 x 55 mm
Weight	1.1 kg
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	10% to 95% relative humidity, non-condensing

System I/O

USB	2 x USB 2.0 (Front) 1 x USB 3.0, 1 x USB 2.0 (Rear)
Display I/O	1 x VGA 1 x HDMI
Audio I/O	-
LAN I/O	2 x RJ-45, Intel I211 Giga LAN
Serial Port	3 x RS-232, 1 x RS-232/485
PS/2 Port	-
Others	1 x 8-bit GPIO

Internal Connectors

USB	-
Display I/O	1 x LVDS
Audio I/O	Realtek 5.1 channel HDA Codec, with MIC/Line-out
Serial Port	2 x RS-232
Parallel Port	-
GPIO	1 x 8-bit GPIO
Others	1 x SIM Card Pin Header 1 x Keyboard and Mouse Pin Header

Graphics

Chipset	Intel HD Graphics
VGA	Up to 1920 x 1080 @ 60Hz
HDMI	Up to 1920 x 1200 @ 60Hz
LVDS	Up to 1920 x 1200 @ 60Hz

Others

OS Support	Windows 10, Windows 7, Windows 8, Linux
Certifications	CE / FCC
Mounting	VESA mount, DIN Rail with DIN Rail bracket (Optional) Wall Mount with Wall Mount bracket (Optional)