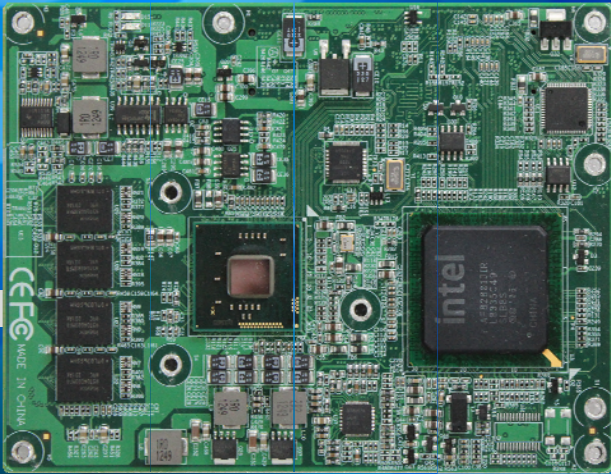


SOM-6938

COM Express Type 2 Compact System on Module with Intel Atom Cedar Trail CPU



- Intel Cedar Trail Platform based, onboard Intel Atom N2800/D2550 CPU
- Onboard DDR3 RAM up to 4GB
- Provide LVDS, VGA, DDI (DVI/HDMI/DP) video out, dual independent display supported
- Fully comply with COM Express Type2 Spec
- High Integration board design, Mini Size: 95mm x 125mm
- Modular Design, paired with various carrier board for more flexible solution choices
- Provides rich I/O via carrier board: 5x PCIe, 4x PCI, 4x SATAII, 8x USB2.0, 1x VGA, 1x LVDS, 2x DDI, 1x LPC, 1x 10/100/1000Mbps LAN, etc

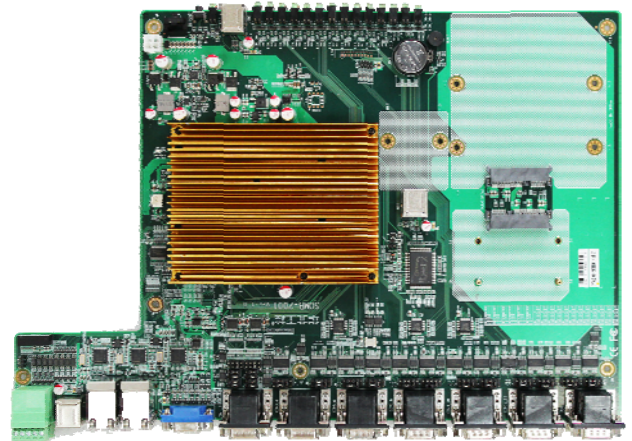
Product Highlight:

COM-Express is based on serial differential signaling technology for high performance embedded computing that requires maximum I/O bandwidth, such as medical imaging, industrial automation, mapping, security, aerospace, etc. COM-Express modules measure 125mm x 95 mm compact form factor, offering additional design and features flexibility.

SOM-6938 is a COM Express Type 2 Compact system on module, powered by Intel Atom Cedar Trail platform. Onboard Intel Atom N2800/D2550 CPU with 4GB memory and integrated Intel GMA 3650/3600 Graphic Controller all in one chip, better computing power and graphic performance, capable of 1080P high definition display.

Paired with COM Express carrier board, the SOM-6938 with up to 4GB DDR3 on board memory supports 8x USB 2.0 ports, 1x gigabit Ethernet, 5x PCIe, 4x PCI, 4x SATAII, 1x VGA, 1x LVDS, 2x DDI(HDMI/DVI/Display Port), 1x LPC; scalable for highly-compact, rich I/O embedded applications, such as handheld terminals, digital signage, automobile, digital control, interactive client, media player, advertising, LCD screen, transportation, information control, banking and many others.

COM Express Carrier Board:



SOM-6938 COM Express Type 2 Compact System on Module with Intel Atom Cedar Trail**Specification:**

CPU	Intel Atom N2800/D2550
Chipset	Intel ICH10R
Memory	Onboard DDR3 memory up to 4G
Storage	4x SATAII via COM-Express slot Expansion
Ethernet	Intel 82583V 10/100/1000Mbps, via OM-Express slot Expansion
Graphic Controller	Integrated Intel GMA 3650/3600 GPU, shared up to 1024M RAM
Display	1x LVDS provides single-channel 18/24Bit LVDS signal via COM Express Carrier board
	LVDS maximum resolution: Atom N2xxx: 18Bit(1366x768@60Hz)/Atom D2xxx: 24Bit(1440x900@60Hz)
	2x DDI (HDMI/DVI/Display Port), via COM Express Carrier board
	HDMI/DVI/Display Port with maximum resolution up to 1920x1200
	1x VGA via COM-E carrier board with maximum resolution up to 1920x1200
Audio	Intel High Definition Audio via COM-Express slot Expansion
I/O	4x SATAII via COM-Express slot Expansion 8x USB2.0 CO via M-Express slot Expansion
Expansion Interface	Provide 5x PCIe x1 signal via COM-Express slot Expansion
	Provide 4x PCI2.3 signal (32bit/33MHz) via COM-Express slot Expansion
	Provide 1x standard LPC signal via COM-Express slot Expansion
Watchdog	N/A
Power Supply	5V Standby +12V power supply (via COM-E slot)
Temperature	Operating Temperature: 0°C~60°C
	Storage Temperature: -40°C~85°C
Humidity	5%~95% relative humidity, non-condensing
Dimension	95mmx 125mm