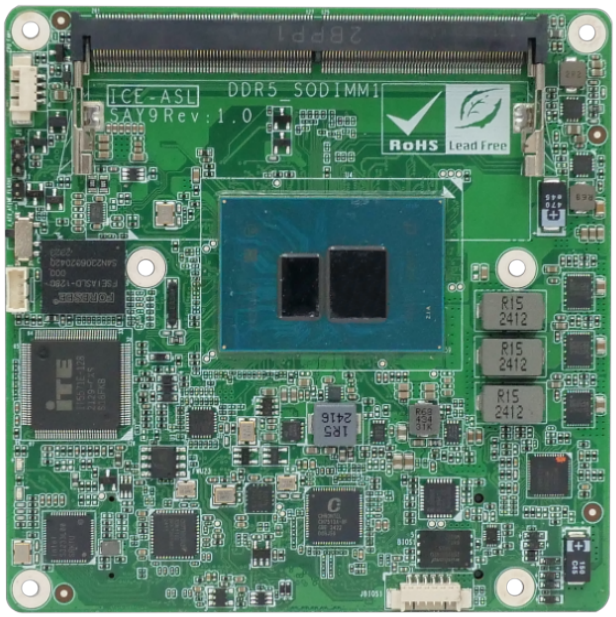
ICE-ASL-T6C

COM Express® R3.1 Type 6 Module supports Intel® Amston Lake Atom™ x7000 series SoC processor



Features

» COM Express® R3.1 Type 6 Module supports Intel® Amston Lake Atom™ x7000 series SoC processor

» 1 x DDR5 4800 SO-DIMM, up to 16GB

» Triple independent display signals to baseboard

1 x LVDS: 1920 x 1080 or 1 x eDP:4096 x 2304 @ 60Hz

2 x DDI: (DP up to 4096 x 2160 @ 60Hz / HDMI up to 4096 x 2160 @ 60Hz)

» Support 1 x PCIe 2.5 GbE with Intel® i226-V signal to baseboard

Specifications

Form Factor	
Form Factor	COM Express® R3.1 Type 6 Module Compact size
System	
CPU	Intel® Amston Lake Atom™ x7000 series SoC processor
	Intel Atom® x7433RE on-board CPU
	Intel Atom® x7835RE on-board CPU
Memory	1 x DDR5 4800 SO-DIMM
Memory Max.	up to 16GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)
	1 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	95 x 95 mm
Net Weight	GW: 600g / NW: 250g
Storage	
Storage	2 x SATA : 3GB/s signal to base board
	onboard eMMC optional (up to 256G)
I/O Interface	
Display Output	1 x Display Port : display signals to baseboard up to 4096 x 2160 @ 60Hz
	1 x HDMI™ : display signals to baseboard up to 4096 x 2160 @ 60Hz
	1 x LVDS : display signals to baseboard : 1920 x 1080 or 1 x eDP display signals to baseboard :4096 x 2304 @ 60Hz
Ethernet	1 x LAN : PCIe 2.5 GbE with Intel® i226-V signal to baseboard
Audio	1 x HD Audio : signal to baseboard
I/O Interface	1 x CAN-bus/OBD-II : signal to baseboard (Default, Option with one COM Port & one USB 2.0)
	1 x GPIO : 8 bit GPIO signal to baseboard
	1 x I²C : 1 x 4-pin wafer signal to baseboard
	8 x Internal USB 2.0 : signal to baseboard (one colay with CAN)
	3 x Internal USB 3.2 Gen2x1 : signal to baseboard
	2 x UART : signal to baseboard

Expansion	5 x PCIe x1 : Gen3 x1 signal to baseboard
Other Features	
TPM	1 x On-board TPM
Power	
Power Consumption	TBD
Power Supply	ATX: Vin, VSB; AT: Vin
	12 V power input
Environment	
Operating Temperature	-10°C ~ 65°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

Ordering Information

ICE-ASL-T6C-R4-R10	COM Express Compact size Type 6 Module, Intel® ASL x7835RE Processor,DDR5, LVDS, DDI, 2.5GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-ASL-T6C-R3-R10	COM Express Compact size Type 6 Module, Intel® ASL x7433RE Processor,DDR5, LVDS, DDI, 2.5GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-ASL-T6C-N2-R10	COM Express Compact size Type 6 Module, Intel® ADL N97 Processor,DDR5, LVDS, DDI, 2.5GbE, SATAIII, USB 3.0 and HD Audio, RoHS

Packing List

1 x ICE-ASL single board computer	1 x Cooler module
1 x Screw bag	1 x QIG