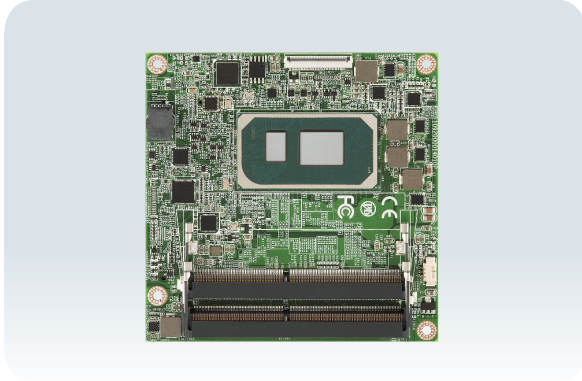


VCOM-2600

COM Express® Compact Type 6 Module with 11th Gen Intel® Core™ i7/i5 Processor



Features

- Onboard 11th Gen Intel® Core™ i7-1185G7E/ i5-1145G7E processor
- Intel® I219LM PCIe GbE PHY support iAMT
- Dual-channel 24-bit LVDS, RGB, DDI, up to 4 independent displays
- 8 USB 2.0, 4 USB 3.2, and 2 UART ports (support RX/TX)
- PCIe 3.0, TPM 2.0 supported
- -40°C to 85°C operating temperature



Specifications

System	
Processor	Quad Core Intel® Core™ i7/i5 Processor (Tiger Lake UP3)
BIOS	AMI
Memory	2 DDR4 3200MHz SO-DIMM
OS	Windows 10, Linux
Graphics	
Graphics Processor	Intel® Iris® X ^e Graphics
Interface	Max 4 Independent Displays : ▪ LCD : Dual-channel 24-bit LVDS ▪ 1 Analog RGB ▪ 3 DDI
Ethernet	
LAN 1	Intel® I219LM supports iAMT
Audio	
Audio Codec	On VCOM-BASE (Realtek ALC885-VD standard support)
Audio Interface	HAD Bus
I/O Interface	
Internal I/O	2 DDR4 SO-DIMM Socket
Storage	
SATA	2 SATA III (6Gbps) (to RAW A/B)
Power	
Power Input	ATX : 12V ± 5%/5Vsb ± 5% or AT : 12V ± 5%

Expansion	
PCIe	▪ 1 PCIe x4* (to RAW C/D) ▪ 2 PCIe x1 (to RAW A/B) ▪ 2 PCIe x1 (to RAW C/D) * 1 PCIe x4 lane is from CPU, and it can not be configured as four x1 lanes.
Others	
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.
TPM	Infineon SLB9670 supports TPM 2.0, SPI Interface
Mechanical	
Dimensions (H x W)	Compact Size : 95mm x 95mm
Form Factor	PICMG COM.0 Rev 3.0 Type 6
Environment	
Operating Temperature	-40°C to 85°C with Fansink
Storage Temperature	-40°C to 85°C
Humidity	5% to 95% Humidity, Non-condensing
Relative Humidity	95% @85°C
EMC	CE, FCC

Packing List

VCOM-2600	x1
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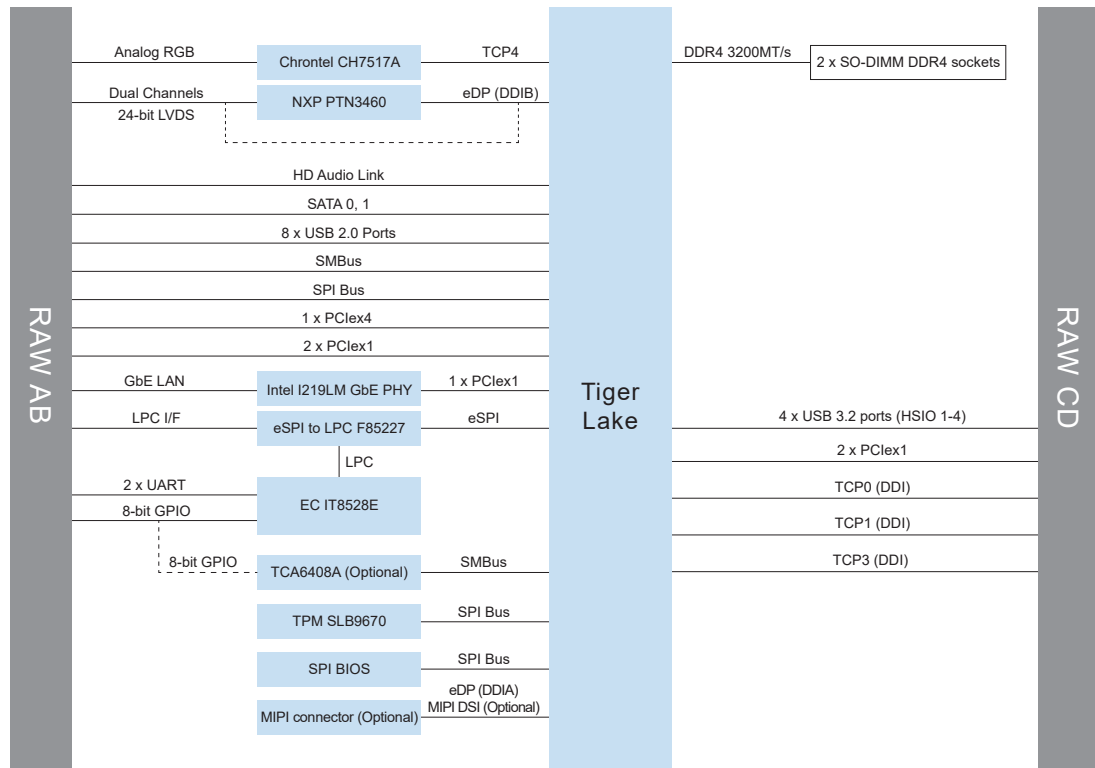
Order Information

VCOM-2600-1185G7E	Compact COM Express Type 6 with Intel® 11th Gen Core™ i7-1185G7E
VCOM-2600-1145G7E	Compact COM Express Type 6 with Intel® 11th Gen Core™ i5-1145G7E

Optional Accessory

ATX Power Supply	ATX Power Supply 250W
Heat Spreader	Heat spreader, threaded standoffs (95x95x11mm) for VCOM-2600
Fansink	Fansink (95x95x50mm) for VCOM-2600

Block Diagram



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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