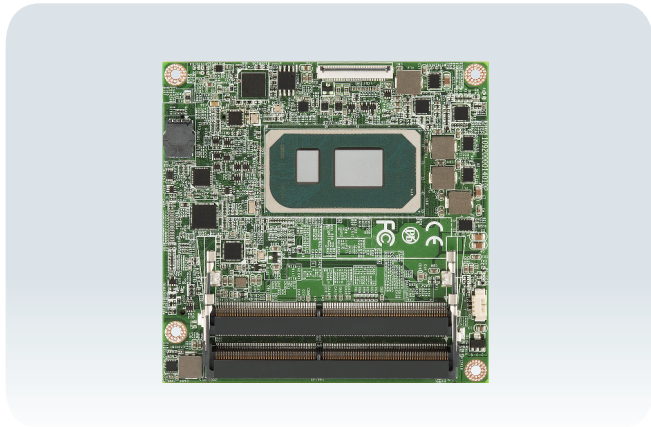


# VCOM-2600

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 <sup>e</sup> Graphics                                                                                                                 |
| Interface          | Max 4 Independent Displays : <ul style="list-style-type: none"><li>▪ LCD : Dual-channel 24-bit LVDS</li><li>▪ 1 Analog RGB</li><li>▪ 3 DDI</li></ul> |
| 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                  | <ul style="list-style-type: none"><li>▪ 1 PCIe x4* (to RAW C/D)</li><li>▪ 2 PCIe x1 (to RAW A/B)</li><li>▪ 2 PCIe x1 (to RAW C/D)</li></ul> <p>* 1 PCIe x4 lane is from CPU, and it can not be configured as four x1 lanes.</p> |
| 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 |
|-----------|----|

## 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

