

EXOU-X261

FPGA Machine Vision Solution Kit



Features

- AMD Kria K26 SOM featuring low latency and high-performance DPU
- Provides up to 1.4TOPS AI processing power
- Support PCIe M.2 2230 / 2242 slot for Storage and Peripherals
- Support Innodisk iCAP Cloud Platform for remote management
- Support InnoAgent to support out-of-band (OOB) remote management
- Prebuilt Hardware Acceleration with BSP / Pre-trained AI Models
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Industrial design, manufactured in innodisk Taiwan, 3-year warranty

Specifications

| | |
|----------------------------|---|
| Product Name | EXOU-X261 |
| Form Factor | SOM and Carrier Board |
| Controller | Kria K26 SOM |
| Memory | 4GB DDR4 on board |
| Storage | 16GB eMMC on board |
| Dimension(LxWxH) | 142.02 x 104 x 70 mm |
| Display Interface | 1x HDMI 1.4 |
| Ethernet | 1x RJ45 GbE LAN |
| I/O | 4x USB 3.2 Gen1 1x 15pin terminal block (GPIOx5, UARTx1, CANbus x2, I2C x1) 1x MicroSD 1x USB Type-C (Debug Only) Power Button Reset Button |
| Expansion | M.2 2230 E-Key (PCIe Gen2 x1, USB 2.0) M.2 2242 M-Key (PCIe Gen3 x4) |
| Indicator | Green Color Power LED |
| Power Requirement | 12V +/-5% DC Power supply |
| Power Consumption | Approximate 17.64W (12V, 1.47A) |
| Temperature | Operation: Standard Temp: 0°C ~ 70°C Storage: -40°C ~ 75°C |
| Storage Humidity | 5% to 95%, non-condensing |
| OS Support | Linux (Kernel 5.15.19) |
| Certification | CE/FCC class A |
| Vibration During Operation | 3G, IEC 60068-2-64, random vibration, 5~500Hz, 1hr/axis |
| Shock During Operation | 30G, IEC 60068-2-27, half sine, 11ms duration |

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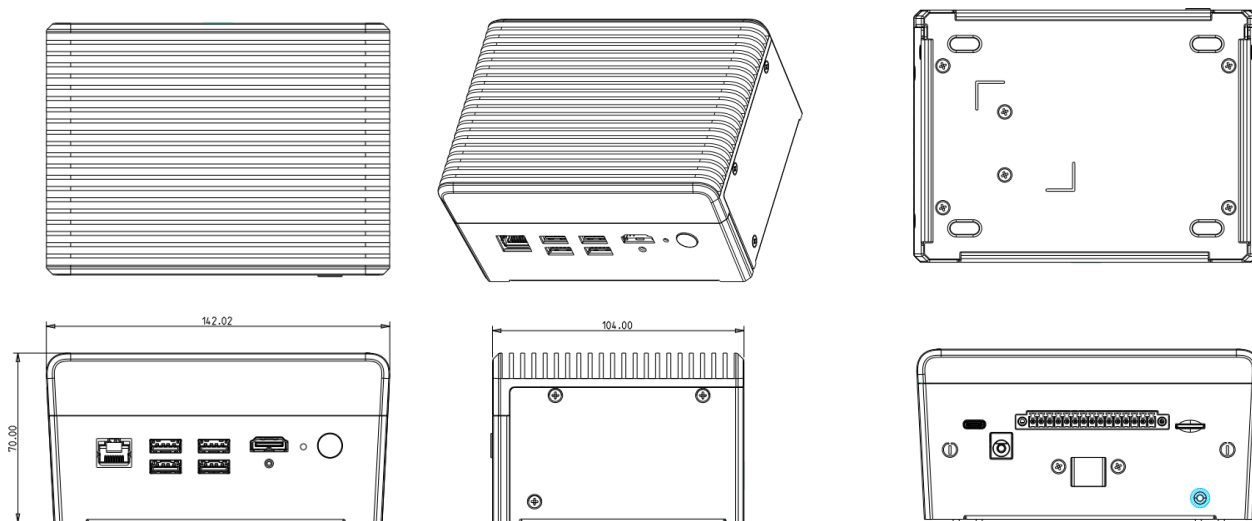
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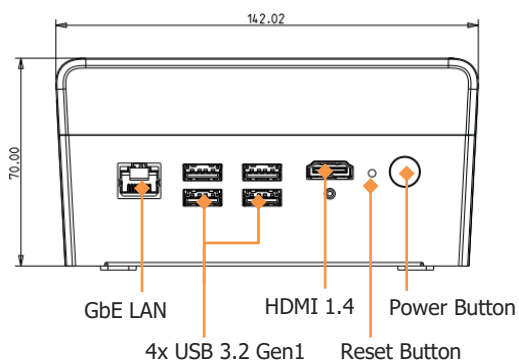
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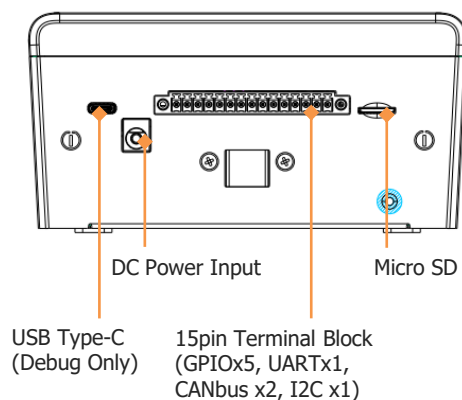
Dimension (mm)



Front View



Back View



Order information

EXOU-X261-00A1-C1

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Packing List

- EXOU-X261 x1
- 12V DC Power Adapter (60W) x1
- Power cord with US plug, 1.8m x1
- Debug Board x 1
- USB Type A to Mini USB Cable, 25cm x1
- USB Type C to Type C Cable (Debug board only), 25cm x1

Optional Accessories

- **EZ2N-0XL1-W1** (InnoAgent Out-of-Band Remote Management Module)