

## EXOU-X261

FPGA Machine Vision Box

### HIGHLIGHT FEATURES



- Powered by AMD Kria K26 SOM
- Provides up to 1.4TOPS AI processing power
- Supports PCIe M.2 2230 / 2242 slot
- Supports iCAP Cloud Platform & InnoAgent – 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, 3-year warranty

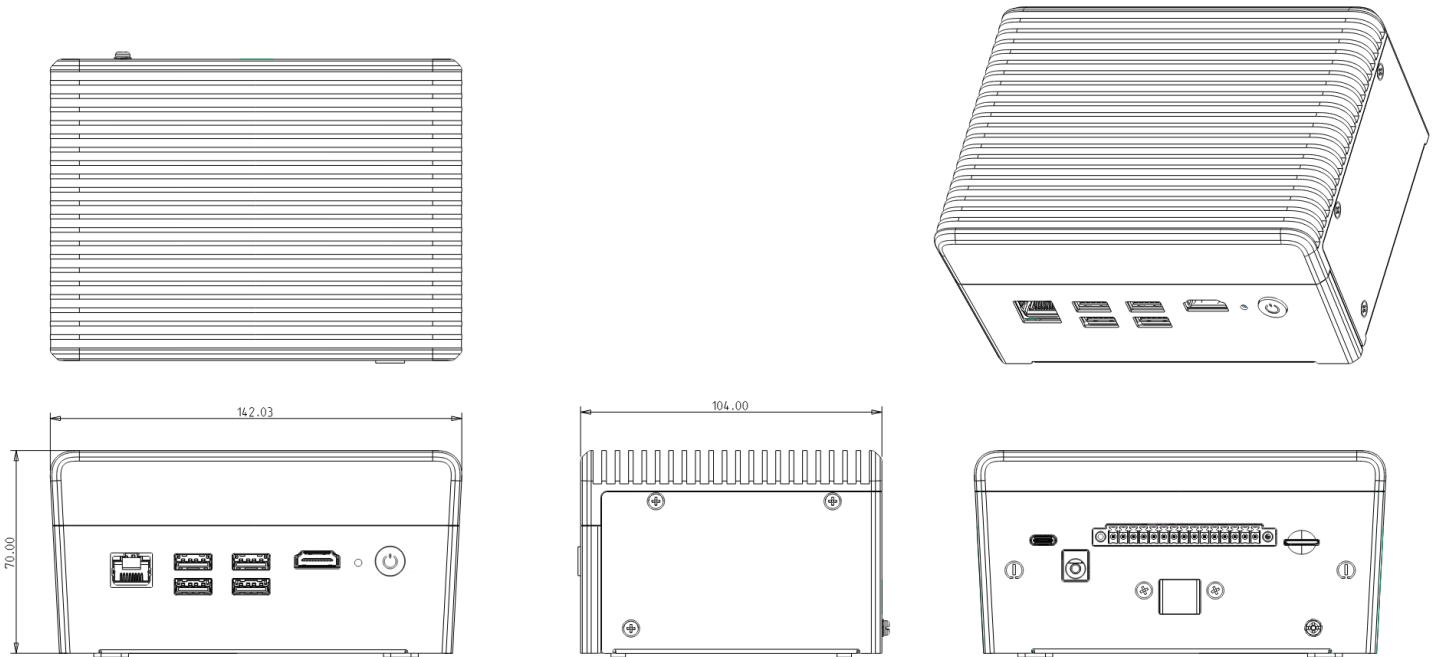
### SPECIFICATIONS

<b>Module Name</b>	EXOU-X261
<b>Module Type</b>	FPGA Machine Vision Solution Box
<b>Form Factor</b>	SOM and Carrier Board
<b>Controller</b>	Kria K26 SOM
<b>Memory</b>	4GB LPDDR4 on SOM
<b>Storage</b>	16GB eMMC on SOM ; Micro SD ; NVME SSD (M.2 2242 M-Key PCIe Gen 3 x2)
<b>Dimensions (W x L x H/mm)</b>	142 x 104 x 70
<b>Display Interface</b>	1 x HDMI 1.4
<b>Ethernet</b>	1 x RJ45 GbE LAN
<b>I/O</b>	4 x USB 3.1 Gen 1 1 x 15pin terminal block (GPIO x 5, UART x 1, CANbus x 2, I2C x 1) 1 x MicroSD 1 x USB Type-C (Debug Only) 1 x Power Button 1 x Reset Button
<b>Expansion</b>	M.2 2230 E-Key (PCIe Gen 2 x1, USB 2.0) M.2 2242 M-Key (PCIe Gen 3 x4)
<b>Indicator</b>	Green Color Power LED
<b>Power Requirement</b>	12V +/-5% DC Power supply
<b>Power Consumption</b>	Approximately 17.64W (12V, 1.47A)
<b>Temperature</b>	Operation : S/T 0°C ~ 70°C (Ta) ; W/T -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
<b>Storage Humidity</b>	5% to 95%, non-condensing
<b>OS Support</b>	Linux (Kernel 5.15.19)
<b>Certification</b>	CE / FCC class A
<b>Vibration</b>	3G, IEC 60068-2-64, random vibration, 5 ~ 500Hz, 1hr/axis
<b>Shock</b>	30G, IEC 60068-2-27, half sine, 11ms duration
<b>Warranty</b>	3 Years

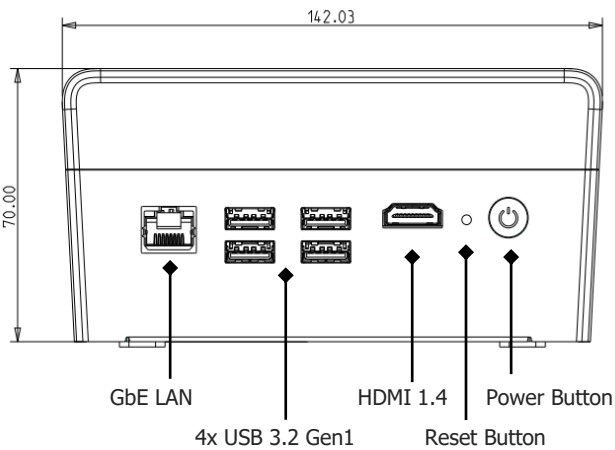
## ORDER INFO.

P/N	Description
EXOU-X261-00A1-SI	EXOU-X261 FPGA Machine Vision Box / Standard Temperature
EXOU-X261-00A1-E1	EXOU-X261 FPGA Machine Vision Box / Wide Temperature

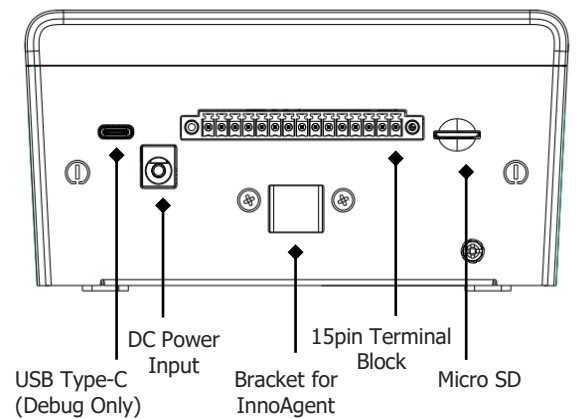
## MECHANICAL DRAWING



Front View



Back View



## PACKING LIST

Part Number	Description	Q'ty
EXMU-X261-00A1-XX	FPGA Machine Vision Solution Kit	1
3EYUX-0X11-W1	Debug Board	1
7ECXXE120B1	Heatsink with Fan	1
7W2000000170	USB Type C to Type C Cable (Debug board only), 25cm	1
7W2000000180	USB Type A to Mini USB Cable, 25cm	1
9Z9000000100	Adapter, 12V / 5A 60W, 0 ~ 40°C, w/ DC Jack	1
7W8000000090	Power Cord with US plug, 180cm	1
7AOBIXE111S1	Wall Mount	2
7SW1M3070PSN1	Wall mount Screw_M3	4
7SW3M4080PSN1	Wall mount Screw_M4	4
7SW1-M2003511SN	Mounting screws for M.2 module_M2	2

## OPTIONAL ACCESSORIE

P/N	Description
9Z9000000100	Adapter, 12V / 5A 60W, 0 ~ 40°C, w/ DC Jack
7W8000000090	Power Cord with US plug, 180cm
7W8000000080	Power Cord with EU plug, 180cm
7W8000000070	Power Cord with UK plug, 180cm
EZ2N-0XL1-W1-AB08	InnoAgent, Out-of-Band Remote Management Module

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