

EXMU-X261

FPGA Machine Vision Solution Kit

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

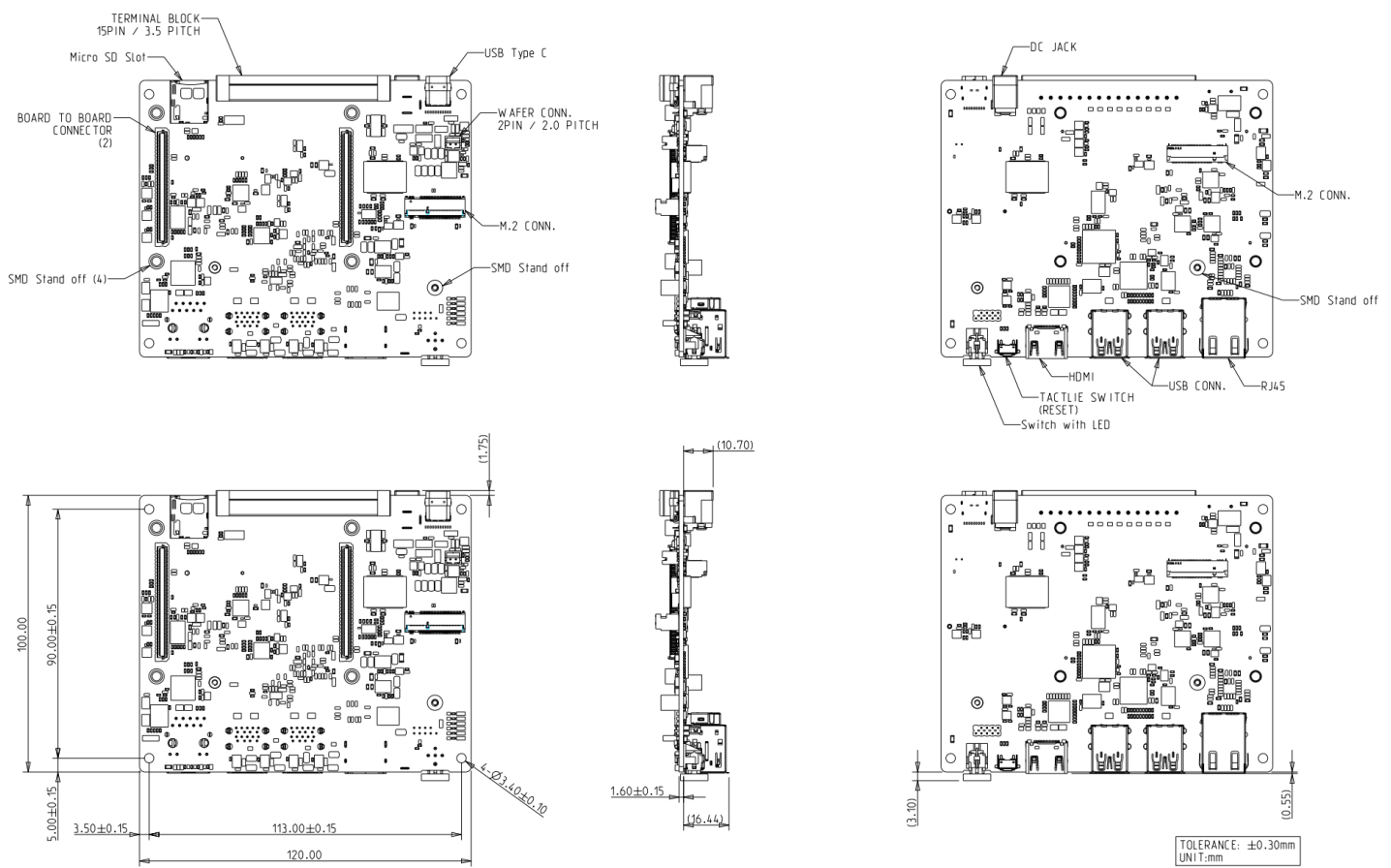
Module Name	EXMU-X261
Module Type	FPGA Machine Vision Solution Kit
Form Factor	SOM and Carrier Board
Controller	Kria K26 SOM
Memory	4GB LPDDR4 on SOM
Storage	16GB eMMC on SOM ; Micro SD ; NVME SSD (M.2 2242 M-Key PCIe Gen 3 x2)
Dimensions (W x L x H/mm)	120 x 100 x 30.37 (with K26)
Display Interface	1 x HDMI 1.4
Ethernet	1 x RJ45 GbE LAN
I/O	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
Expansion	M.2 2230 E-Key (PCIe Gen 2 x1, USB 2.0) M.2 2242 M-Key (PCIe Gen 3 x4)
Indicator	Green Color Power LED
Power Requirement	12V +/-5% DC Power supply
Power Consumption	Approximately 17.64W (12V, 1.47A)
Temperature	Operation : S/T 0°C ~ 70°C (Ta) ; W/T -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
Storage Humidity	5% to 95%, non-condensing
OS Support	Linux (Kernel 5.15.19)
Certification	CE / FCC class A
Vibration	3G, IEC 60068-2-64, random vibration, 5 ~ 500Hz, 1hr/axis
Shock	30G, IEC 60068-2-27, half sine, 11ms duration
Warranty	3 Years

ORDER INFO.

P/N	Description
EXMU-X261-00A1-CI	EXMU-X261 FPGA Machine Vision Solution Kit / Standard Temperature
EXMU-X261-00A1-W1	EXMU-X261 FPGA Machine Vision Solution Kit / Wide Temperature

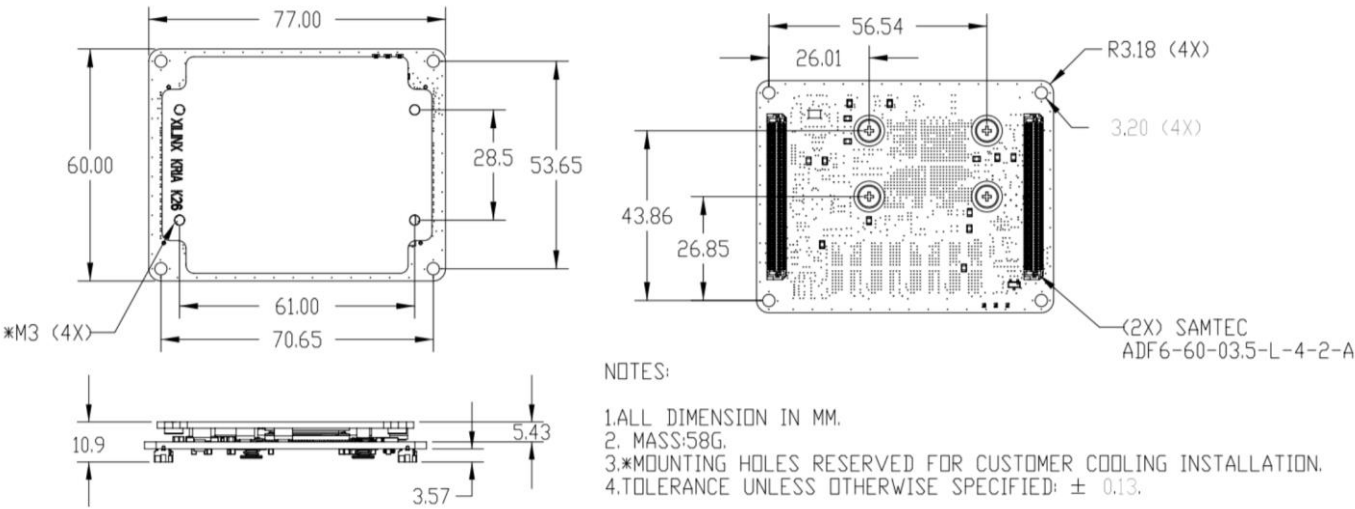
MECHANICAL DRAWING

EXMU-X261 Carrier Board

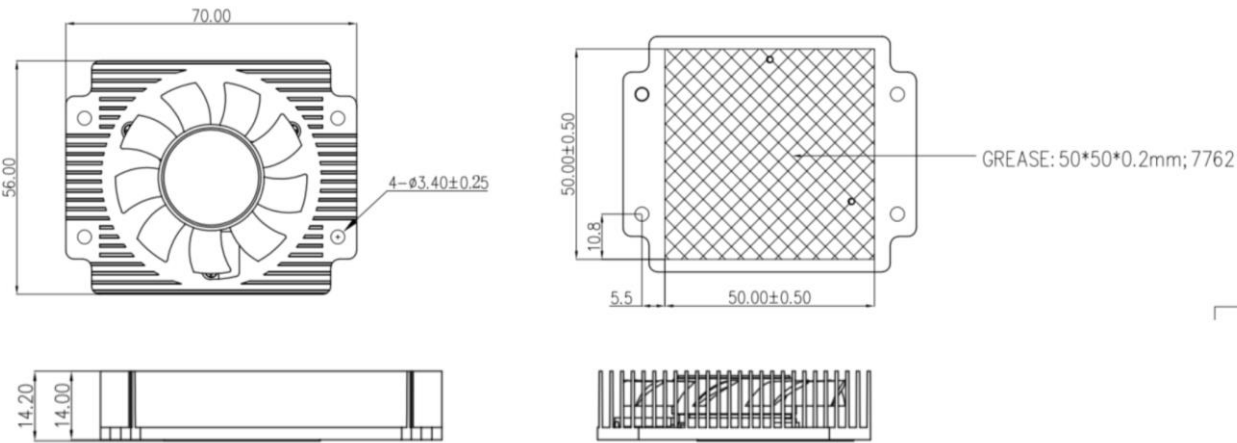


MECHANICAL DRAWING

AMD Kria K26 SOM (Refer to AMD K26 SOM Datasheet – DS987)



Heatsink with Fan



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
7SW1M3060PSN	Heatsink Screws_M3	4
7ANA10000HXXXU01	M3*5 x 20mm Standoff	8
7SW1-M2003511SN	Mounting screws for M.2 module_M2	2

OPTIONAL ACCESSORIE

P/N	Description
9Z9000000110	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

