

# AIR-355

## Intel® Core™ Ultra Series 3 PTL MXM Type A GPU Edge AI System



### Features

- Powered by Intel® Core Ultra 5 or 7 Panther Lake Processor
- Up to 180 TOPS (CPU/10, NPU/50, GPU/120)
- Support MXM Type A (60W) or extra 2x M.2 2280 M Key storage
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### Specifications

Processor System	CPU	Intel® Core™ Ultra 7 - 358H (12Xe)	Intel® Core™ Ultra 5 - 325 (4Xe)
	Frequency	1.9GHz up to 4.8GHz	2.1GHz up to 4.5GHz
	Core Number	16	8
	BIOS	AMI EFI 512 Mbit	
	AI Capacity	Up to 180 TOPS	Up to 95 TOPS
Memory	Technology	DDR5 6400/7200 MT/s CSODIMM	DDR5 6400 MT/s CSODIMM
	Max Capacity	Up to 128GB	
	Socket	2x 262-pin SODIMM (Non-ECC)	
GPU (Optional)	MXM Type A	SKY-MXM-2000A, Quadro® 2000A	
	Cores	3072 CUDA® cores	
	FP32 Performance	12.99 TFLOPS	
	Memory	GDDR6 8GB	
Ethernet	Interface	RJ-45	
	Speed	4x 2.5GbE Ethernet (10/100/1000/2500 Mbps)	
Display	HDMI	1x HDMI 2.1 (FRL), Max 3840 x 2170 (4K) at 60Hz	
	DP	1x DP 1.4a, Max 3840 x 2170 (4K) at 60Hz	
IO Ports	USB	6x USB 3.2 Gen2 Type A 2x USB 2.0 Type A 1x USB Type C w/USB4, DP alt mode	
	CANBus	1x CANBus (DB9 connector)	
	DI/DO	1x 8-bit (DB9 connector)	
	COM	2x RS-232/RS-422/RS-485 (default: RS-232) (DB9 connector)	
	Audio	1x (Line-out or Mic-in)	
Expansion	Mini DP	2x Mini DP	
	M.2	1x M.2 2230 E Key for WIFI/BT 1x M.2 3052 B Key for 5G w/ 1x nano SIM holder	
Other	WatchDog Timer	255 levels timer interval, setup by software	
	TPM	TPM 2.0	
Storage	M.2	1x M.2 2280 M Key for NVMe (Default) 1x M.2 2242 M Key for NVMe	
Power	Power Input	12-24V DC input	
	Power Type	ATX/AT, ATX default	
Power Consumption	Typical (OS idle mode)	TBD	
	Max. (Full loading)	TBD	
Environment	Op. Temp	-10~50°C with 0.7m/s air flow	
	Op. Humidity	95% @ 50 °C (non-condensing)	
Mechanical	Dimensions (W x D x H)	215 x 190 x 60 mm	
	Weight	TBD	
Operating System	Microsoft Windows	Windows 11 (LTSC)	
	Linux	Ubuntu 24.04	
Software Support	Software API	Edge AI SDK / SUSI / DeviceOn	
Certifications	EMC/Safety	CE/FCC Class B, CB, UL, CCC and BSMI	

ADVANTECH SUSI is a device management and system monitoring suite for hardware configuration, control, and status monitoring.  
SUSI information: <https://github.com/ADVANTECH-Corp/SUSI>