



HAWK-3I160DW + 12CH GMSL

Fanless Embedded Computer with
Intel® Core™ Ultra S3 (Panther Lake) processors

Features:

- Intel® Core™ Ultra S3 (Panther Lake) processors
- 2 x DDR5 SODIMM, Max 128GB
- Multiple Independent display:
  2 x HDMI® ; 1 x Type C DP ALT Mode
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.2 , 1 x USB 2.0
- 1 x M.2 M Key, 2 x M.2 B Key, 1 x Nano SIM
- High Speed Connector (1* PCIe x 2 ; 2 * PCeI x 4)
- 1 x COM, TPM 2.0, SMBus, I2C
- Support 12CH GMSL
- Wide Range DC-IN

Specifications :

Motherboard	3I160DW	
CPU	Intel® Core™ Ultra S3 (Panther Lake) processors	
Chipset	Revamped iGPU and integrated NPU	
Memory	2 x DDR5 SODIMM, Max 128GB	
Storage	2 x M.2-NVMe SSD, 1 x Mobile Rack (Option) SSD	
Expansion slots	1 x M.2 M key Type 2280 (PCIe x 4), Support NVMe, (OEM to Type 3042) 1 x M.2 B key Type 2242/3042 (USB 3.2 / USB 2.0) (OEM to Type 3052) 1 x M.2 B key Type 2242/3042 (PCIe x2 / USB 2.0) High Speed Connector: (1* PCIe x 2 ; 2 * PCIe x 4) 1 x Nano SIM	
I/O ports	Network	5 x Intel 2.5GbE I226-IT
	USB	3 x USB 3.2, 1 x USB 2.0
	GMSL	Support 12 Port GMSL camera (3 x GM04)
	Serial ports	1 x RS232 / 422 / 485
	Display	2 x HDMI® ; 1 x Type C DP ALT Mode
Optional Modules & Accessory	*SATA Kit *VESA Mounting Kit *System Mounting Kit	
OS Support	Windows® 10 IOT ; Windows® 11 IOT Ubuntu26.04 LTS, Kernel->7.0.0-14-generic	

Mechanical

Dimensions	220W x 172.6D x 80H mm
Weight	3.56kg
Mounting	*System Mount *VESA Mount

Power

DC input	Wide Range DC IN +9~36V

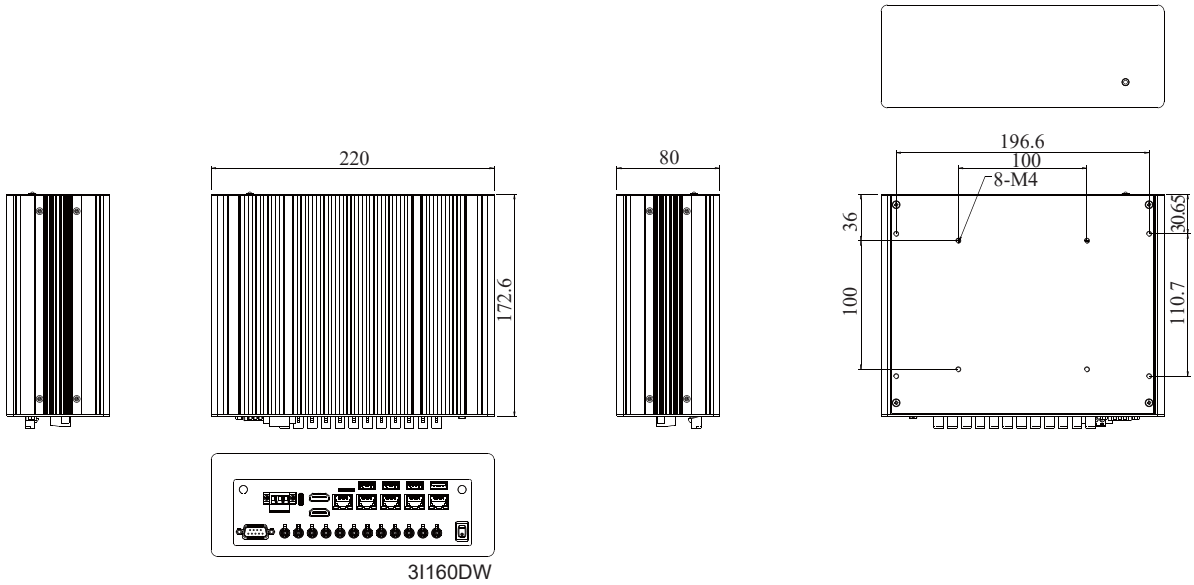
Environment

Operating Temp. (100 % CPU usage)	-20°C~45°C
Storage Temp	-20°C to +70°C
Relative Humidity	95% @ 40°C, non-condensing

Certification

CE / FCC class A

Dimension



3I160DW