

BOXER-6841M Series

Machine Vision System - Fanless Embedded PC with 6th / 7th Gen. Intel® processors

Features

- Intel® Core™ i7/i5/i3 or Xeon® Server-Grade CPUs
- For Edge AI computing or frame grabber cards
- Incorporate high-level GPUs with up to 250W
- 5x Intel® LAN chips, dual HDDs and dual mSATA
- Supports 1x PCIe x16, 2x PCIe x8 and 1x PCIe x1

System

CPU	Intel® Core™ i6 th /7 th Gen. desktop or Xeon® server-grade Intel® Core™ i7-6700TE / i5-6500TE / i3-6100TE up to 2.7GHz Intel® Core™ i7-7700 / i7-7700T / i3-7101TE up to 3.6GHz Intel® Xeon® E3-1268 v5 up to 2.4GHz Intel® Xeon® E3-1275 v6 up to 3.8GHz
Chipset	Intel® H110 PCH / Intel® C236 PCH
Memory	DDR4 ECC or Non-ECC SODIMM up to 32GB
Storage Capacity	2x 2.5" SATA drive bays
Display Interface	2x HDMI Typ A for HDMI v1.4b
Operating System	Skylake S Windows® 10, Windows® 10 IoT, Windows® 8.1, Windows® Embedded Standard 8, Windows® 7, Windows® Embedded Standard 7, Ubuntu 16.04.2 Kaby Lake Windows® 10, Windows® 10 IoT, Ubuntu 16.04.02
Indicator	1x Power LED, 1x HDD active LED
Expansion Slots	1x Full-Size Mini card (USB, with 1x SIM slot) 1x PCIe x16 for max. 250W GPU support (optional) 2x PCIe x8 (optional) 1x PCIe x1 (optional)

Interface

USB	4x USB 3.0
Ethernet	5x RJ-45 for Gigabit Ethernet (4x Intel® i211AT, 1x i219LM)
Serial Ports	1x RS-232/422/485, optional 4x RS-232
Video	2x HDMI 1.4b, optional 1x VGA
Audio	2x Audio Mic-in, Line-out
Other	1x 3-Pin DC power input

Mechanical

Power Input	12 ~ 24VDC
Mounting	Wallmount
Dimensions	155 x 200 x 400mm (for A1~A4) / 155 x 200 x 260mm (for A5/A6)
Power Adapter	120W (without GPU), 330W/240W (with GPU)
Weight	7kg (for A1~A4) / 4,5kg (for A5/A6)

Environment

Operating Temp.	-20°C ~ 55°C with 0.5m/s airflow (TDP 35W processor) -20°C ~ 45°C with 0.5m/s airflow (TDP 73W processor)
Storage Temp.	-40°C ~ 80°C
Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	Random, 1Grms, 5 ~ 500Hz, anti-vibration design
Certification	CE / FCC Class A

Front

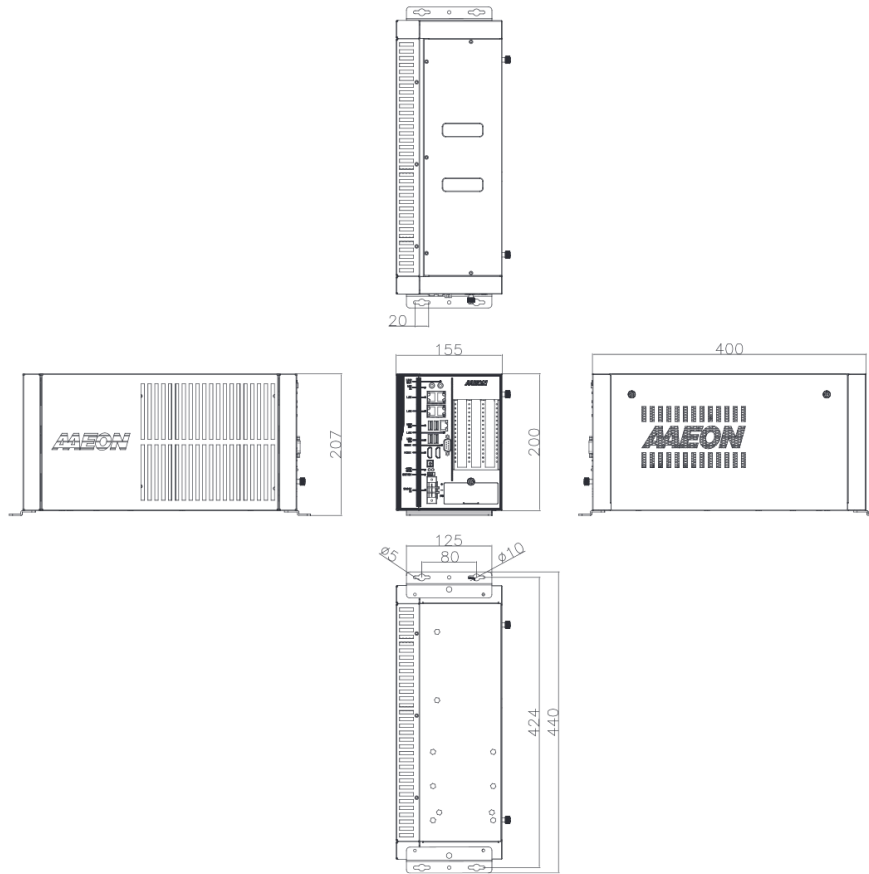


Rear

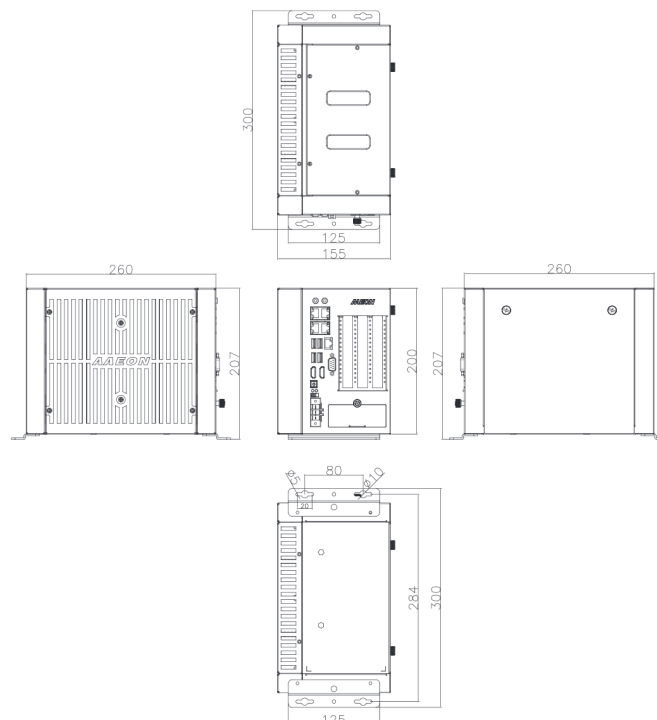


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Technical drawing (A1 ~ A4)



Technical drawing (A5/A6)



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Ordering information

Modells	6841M-A1	6841M-A2	6841M-A3	6841M-A4	6841M-A5	6841M-A6
Display	2x HDMI	2x HDMI	2x HDMI	2x HDMI	2x HDMI	2x HDMI, 1x VGA
Expansion	2x Full-Size Mini card, 1x PCIe x16, 1x PCIe x1	2x Full-Size Mini card, 1x PCIe x16, 1x PCIe x1	2x Full-Size Mini card, 1x PCIe x16, 1x PCIe x1	2x Full-Size Mini card, 1x PCIe x16, 1x PCIe x1	2x Full-Size Mini card, 2x PCIe x8, 2x PCIe x1	2x Full-Size Mini card, 2x PCIe x8, 2x PCIe x1
RS-232	-	-	-	-	-	4x RS-232
RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485
Power Input	12 ~ 24VDC 120W Adapter (w/o GPU) 330W Adapter (w/ 180W GPU)	12 ~ 24VDC 120W Adapter (w/o GPU) 240W Adapter (w/ 250W GPU)	12 ~ 24VDC 120W Adapter (w/o GPU) 330W Adapter (w/ 180W GPU)	12 ~ 24VDC 120W Adapter (w/o GPU) 240W Adapter (w/ 250W GPU)	12 ~ 24VDC 120W Adapter (w/o GPU) 240W Adapter (w/ 180W GPU)	12 ~ 24VDC 120W Adapter (w/o GPU) 240W Adapter (w/ 180W GPU)