

EI-52

边缘智能系统搭载 Intel 第十一代 处理器，
支持Edge X API和WISE-DeviceOn

NEW



特点

- 第11代 Intel Core i5/i3/Celeron处理器,
- 内置8/16 GB DDR4内存, 内置64 GB SATA超薄SSD, 支持额外扩展M.2 2280 SSD
- 预装EdgeX, 数据采集API, 支持20+异构设备
- 预装WISE-DeviceOn用于设备管理和远程控制
- 紧凑型尺寸156 x 112 x 60 mm, 即插即用
- 支持4K HDMI 和 DP 1.4a 双显
- 兼容VEGA-330 AI 加速卡
- 兼容AIW-355 5G模块和FaceView人脸识别I.App

WISE-DeviceOn ADVANTECH WISE-Marketplace

产品简介

研华 EI-52 高性能边缘智能系统, 产品设计紧凑, 搭载 Intel 第11代 Core i5/i3/Celeron处理器, 可即插即用, 内置数据采集软件Edge X API和用于设备管理和远程控制的WISE-DeviceOn物联网边缘智能软件, EI-52为边缘到云端互连和 5G & AI 解决方案而设计, 是理想的边缘智能解决方案。



Intel 第11代 Core i5/i3/Celeron处理器

- 性能比上一代提升2倍
- 第12代出色的图形性能
- 用于AI/深度学习性能提升的VNNI指令

Edge-X

内置Edge X API

- 可扩展数据采集API
- 易于二次开发
- 支持Azure, AWS, 阿里云



WISE-DeviceOn Built-in

- 设备管理和远程控制
- Acronis专业数据备份恢复软件
- Mcafee动态白名单防毒软件

规格

		EI-52		
处理器	CPU	Core i5-1145G7E	Core i3-1115G4E	Celeron 6305E
	System Chipset	Integrated in CPU		
内存	Technology	Dual Channel DDR4 3200 MHz 260 pin SO-DIMM		
	Capacity	Core i5 SKU: 1x 16 GB 260-pin SO-DIMM DDR4 2400 MHz memory (-20 ~ 85 °C) built-in. Max. capacity 64GB. Core i3 & Celeron SKU: 1x 8 GB 260-pin SO-DIMM DDR4 2666 MHz memory (-20 ~ 85 °C) built-in. Max. capacity 64GB.		
图形	Chipset	Intel 12th gen. Graphics		
	Graphic Engine	Direct X 12.1, OpenGL 4.6 HW Encode: H.265/HEVC, H.264/AVC, VP9, SCC HW Decode: H.265/HEVC, H.264/AVC, VP9, SCC		
	HDMI	1 x HDMI 2.0b: 4096x2160@60Hz		
	DP	1 x DP 1.4a: 4096x2160@60Hz		
	Dual Display	HDMI + DP		
存储	SSD	1 x 64 GB SATA Slim SSD (-40 ~ 85 °C) built-in		
I/O接口	LAN1	10/100/1000 Mbps Intel i219 GbE		
	LAN2	10/100/1000 Mbps Intel i210 GbE		
	USB 2.0/USB 3.0	2/4		
	Audio	1 x Mic-in, Line-out, Realtek ALC888S HD Audio		
	Serial	2 x RS-232/422/485		
扩展	Mini PCIe	1 x Full-size Mini PCIe #1		
	M.2	1 x 2280 M key #1		
可信平台模块	TPM 2.0	SLB9670XQ2.0		
功率要求	Power Input Voltage	19 V _{DC}		
	Power Type	ATX/AT, default ATX		
功耗	Typical	16.5W		
	Max.	34.3W		
物理规格	Mounting	Wall Mount		
	Dimensions (W x H x D)	156 x 112 x 60 mm		
	Weight	0.94 Kg		
环境	Operating Temperature	-10 ~ 50 °C, with 0.7m/s air flow		
	Microsoft Windows	Windows 10 IoT 64-bit		
软件支持	Linux	Ubuntu 20.04 supported (BSP by project support)		
	Others	Advantech Edge X pre-installed in Win10 image WISE-DeviceOn pre-installed in Win10 image		
安规认证	EMC	CE/FCC Class B, CCC, BSMI		
	Safety	UL, CB, CCC, BSMI		

#1 Mini PCIe and M.2 slots are hardware interfaces for wireless communication integration only. System level RF certification is not available.

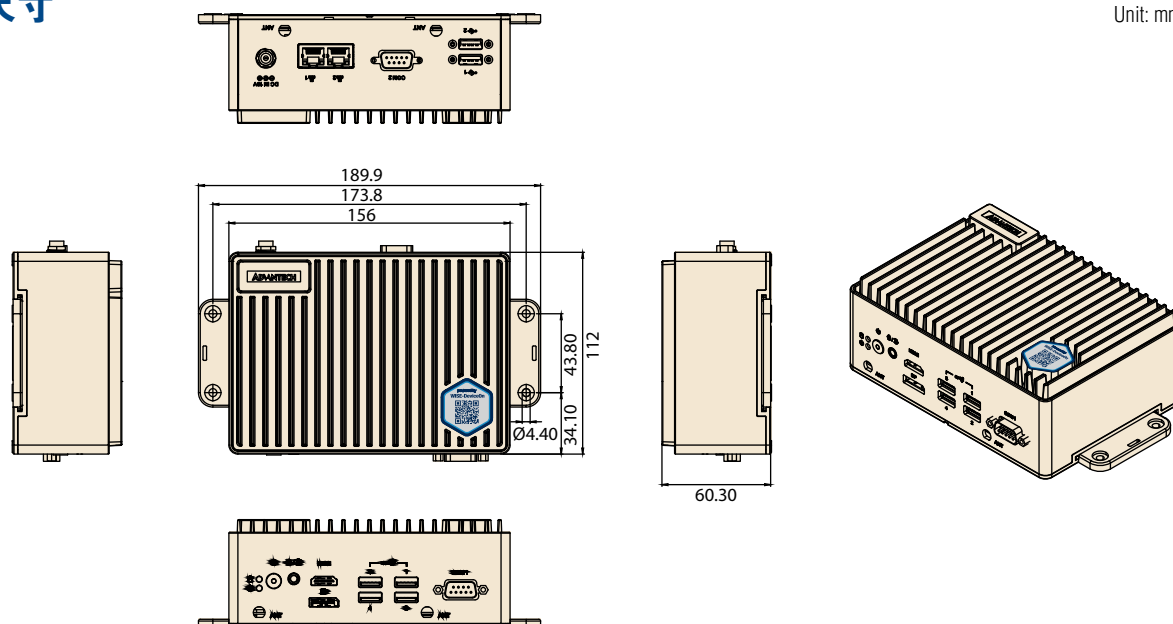
ADVANTECH

所有产品规格如有更改, 恕不另行通知。

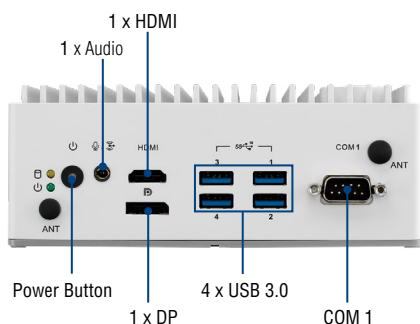
Last updated: 5-Aug-2021

尺寸

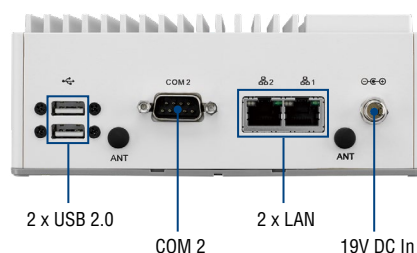
Unit: mm [inch]



前视图



后视图



订货信息

料号	CPU	内存	存储	显示	LAN	USB	RS-232/ 422/485	M.2	Mini PCIe	电源输入	工作温度	音频
EI-52-S6A1	Intel Core i5-1145G7E	16GB DDR4 Built-in										Realtek ALC888S
EI-52-S6A1NA	Intel Core i5-1145G7E	16GB DDR4 Built-in	64GB	1 x DP								No Audio
EI-52-S2A1	Intel Core i3-1115G4E	8GB DDR4 Built-in	SATA	1 x DP								Realtek ALC888S
EI-52-S2A1NA	Intel Core i3-1115G4E	8GB DDR4 Built-in	Slim SSD	1 x HDMI								No Audio
EI-52-U0A1	Intel Celeron 6305E	8GB DDR4 Built-in	Built-in									Realtek ALC888S
EI-52-U0A1NA	Intel Celeron 6305E	8GB DDR4 Built-in										No Audio

装箱单

料号	描述
-	1 x EI-52 unit
-	1 x Power adapter (DC 19V, 90W)
-	1 x User manual (Simplified Chinese)
-	Edge X Package
-	WISE-DeviceOn Package

嵌入式 OS

料号	描述
20706WX9VM0021	Win 10 IoT 64 bit w/ WISE Device-On and Edge X API

可选配件

料号	描述
1700001524	Power Cable 3-pin 180cm, USA type
170203183C	Power Cable 3-pin 180cm, Europe type
170203180A	Power Cable 3-pin 180cm, UK type
1700008921	Power Cable 3-pin PSE Mark 183cm
AMK-A0038	VEGA-330 and thermal kit for EI-52 (ready in M/Aug.) (including VEGA-330 module and thermal solution)
AMK-A0039	Thermal solution and Antenna for EI-52+AIW-355 5G module (ready in E/Aug.) (AIW-355 module is not included in AMK-A0039 and need to be ordered separately.)
AMK-A0040	VESA and DIN-Rail Mounting kit for EI-52 (ready in E/Jul.)
AMO-I026A	MiniPCIe to M.2, support M.2 Key B USB signal module (for using AIW-355 5G module on EI-52)