



**THE DATASHEET OF
DS-280GB-U0A1E**



DS-280

6th Generation Intel® Core™ i7/i5/i3 OPS Player with Triple 4K Output

NEW



Features

- 6th Intel® Core™ i7-6822EQ/ i5-6442EQ/ i3-6102E processor
- Dual channel DDR4-2133 SO-DIMM, up to 32 GB
- 3 independent displays by HDMI 2.0, DP1.2 and rear JAE connector
- Supports Real 4K resolution (4096x2130@60Hz) by front HDMI2.0 & DP1.2
- Supports Microsoft Windows 10 with proven compatibility
- Easy installation and maintenance with Intel® OPS slot-in design

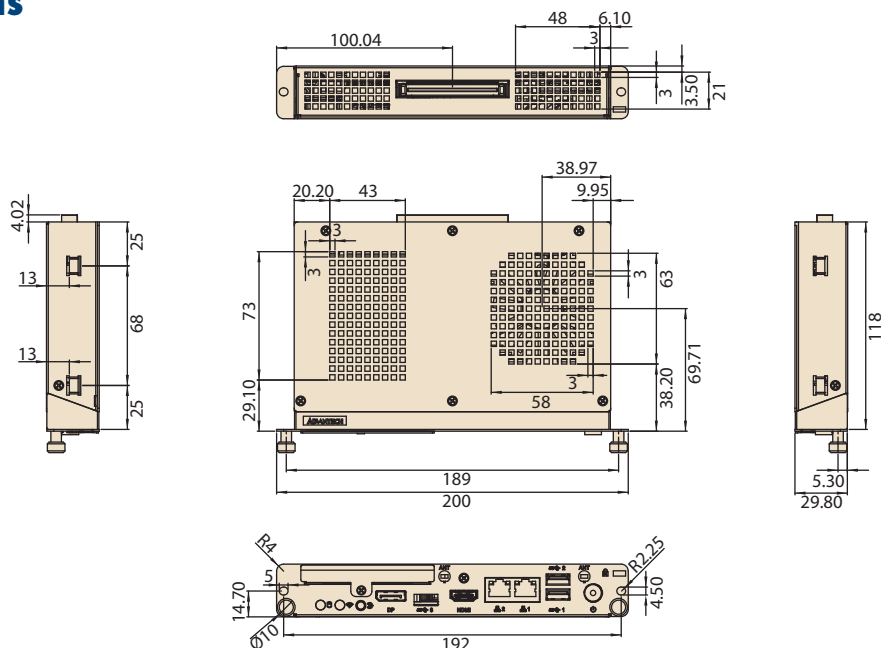
McAfee Acronis **WISE-PaaS/RMM** **WebAccess/IMM**

Specifications

Processor System	CPU	Intel Core i7-6822EQ/ i5-6442EQ/ i3-6102E (AMT function supported via i7 or i5 processor)
	System Chipset	Intel QM170
	BIOS	AMI uEFI 128 Mbit
Memory	Technology	2 x DDR4 260-pin SODIMM
	Max. Capacity	32GB (16GB per SODIMM)
Display	Controller	CPU integrated
	Graphic Engine	Intel HD graphics 530
	Video format	H.265/HEVC, H.264/AVC, MPEG2, VC1/WMV9, VP8, JPEG/MJPEG, VP9
	Output	1 x HDMI, 1 x DP, 1 x 80-pin JAE connector
	Max. Resolution	4096 x 2160 @ 60Hz
Storage	SATA	1 x 2.5" SATAIII (7mm height only) 1 x mSATA via mini-PCIe
	I/O Interface	JAE Connector 1 (JAE TX25A 80-pin, supports HDMI1.4/DP1.2, UART TxRx, 1 x USB3.0, 2 x USB2.0, Audio-out) HDMI2.0 (front) 1 DP1.2 (front) 1 LAN (RJ-45) 2 (LAN1: Intel I219LM; LAN2: Intel I211), wake on LAN supported USB 3 x USB3.0 Audio 1 x Line-out (Realtek ALC892, High Definition Audio; supports Jack Sense via OS setting) Full-size mini-PCIe (Internal) 1 (for optional WIFI, 3G, LTE module/ mSATA) SIM slot (Internal) 1
Power Requirement	Management	ACPI 3.0
	Power Consumption	Max.: 26.12W; Idle: 6.35W (input: 12V DC-in, i7-6822EQ) Max.: 28.80W; Idle: 6.46W (input: 19V DC-in, i7-6822EQ)
	Input Type	ATX/ AT mode
	Input Voltage	12V ~ 19V DC-in (via OPS interconnection)
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable 1~255sec. by SUSI4.0 API
Physical Characteristics	Dimensions (W x H x D)	200 x 30 x 119 mm (OPS compliant)
	Weight	1.5 kg (3.3 lb.)
Environment	Operating Temperature	0° C ~ 40° C (32~104° F) w/ HDD; 0° C - 50° C (32~122° F) w/ SSD
	Relative Humidity	95% @ 40° C (non-condensing), Operating
	Vibration Resistance during operating	0.2Grms, IEC 60068-2-64, random, 5-500 Hz, 1hr/ axis
Software Development Kit	Operating System	Windows 10 (64bit), 8.1 (64bit), 7 (64bit/ 32bit), Linux (by project)
	Signage Software	WISE-PaaS/RMM & WebAccess/IMM
Certification	Electromagnetic	CE, FCC Class B, CCC, BSMI
	Safety	UL, CB, CCC

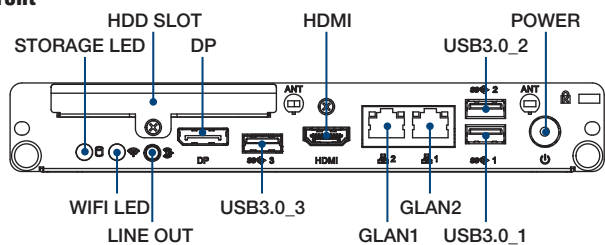
Dimensions

Unit: mm

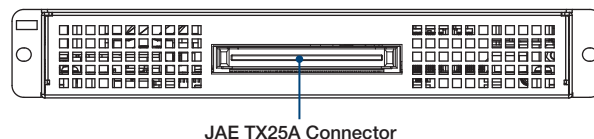


External I/O

Front



Back



Ordering Information

Part Number	Description
DS-280GB-U0A1E	OPS, i7-6822EQ, Barebone
DS-280GB-S9A1E	OPS, i5-6442EQ, Barebone
DS-280GB-S8A1E	OPS, i3-6102E, Barebone
DS-280GF-U0A1E	OPS, i7-6822EQ, 4+4GB DDR4, 500GB HDD
DS-280GF-S9A1E	OPS, i5-6442EQ, 4+4GB DDR4, 500GB HDD
DS-280GF-S8A1E	OPS, i3-6102E, 4+4GB DDR4, 500GB HDD

Optional Items

Part Number	Description
AMO-I013E	Docking board, JAE TX24A/DC-in Jack/HDMI/DP/USB
AMO-WIFI06E	Realtek/wifi 802.11bgn/miniPCIe, 1*cable, 1*antenna
AMO-HSDPA02E	U-blox/HSDPA 6band/miniPCIe, 2*cable, 2*antenna

Embedded OS

Part Number	Description
2070014944	img WES7E DS-280 64bit 1701 4MUI
2070014945	img WES7P DS-280 64bit 1701 10MUI
2070014943	img W8.1 IDTP DS-280 64bit V1.1 10MUI
2070014948	img W10 16HL DS-280 64bit 1609 Eng (for Core i7 Sku)
2070014949	img W10 16VL DS-280 64bit 1609 Eng (for Core i5/i3 Skus)

Packing List

Part Number	Description
-	1x DS-280
-	1 x Simplified Chinese User Manual
-	1 x Traditional Chinese User Manual
-	1 x China RoHS
-	1 x WebAccess/IMM & WISE-PaaS/RMM installation DVD

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View DS-280GB-U0A1E on WIN SOURCE](#)

 [Advantech Corp Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management