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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 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

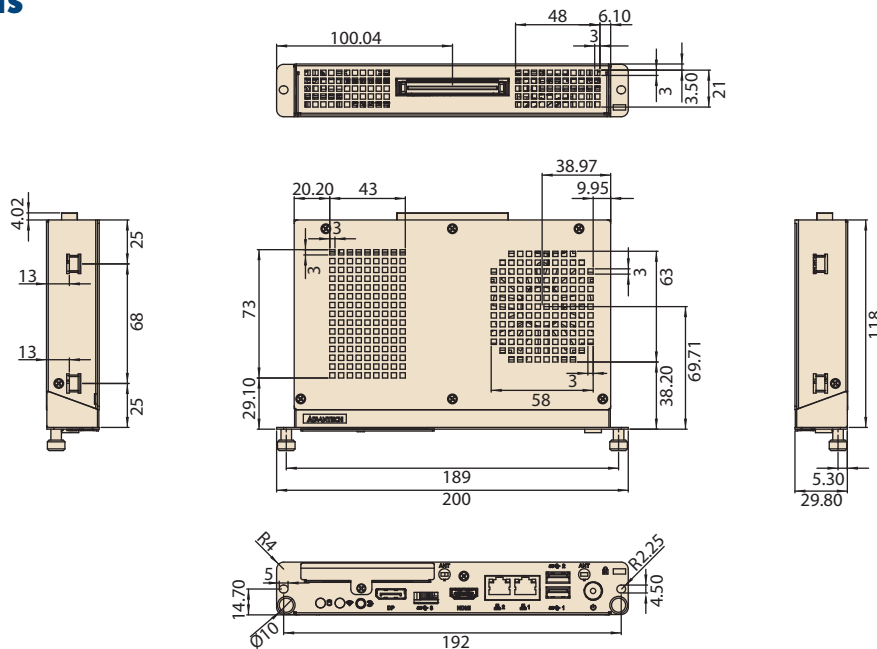
McAfee Acronis WISE-PaaS/RMM WebAccess/IMM

### 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

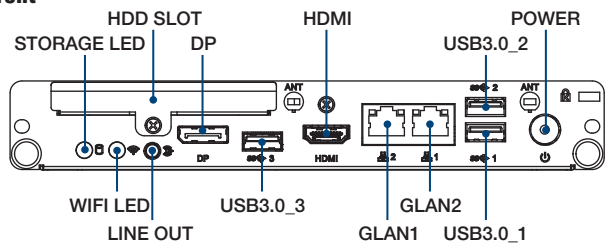
## Dimensions

Unit: mm

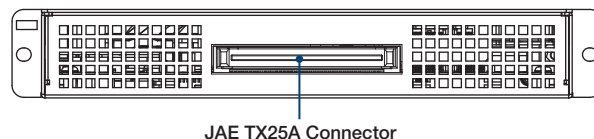


## External I/O

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

## 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

## 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)