



IWOS series

Server Grade Module Edge Compute Architecture system with Intel® Xeon® based module

IWOS series system, a multi-functional 5U/4U server grade with dual/quad MEC Arch modules system, powered by Intel® Xeon® E-2278GE 3.3GHz (TDP 80watt) processor; therefore, the IWOS series system is able to serve as a high quality performance in banking and education applications.

FEATURES

- Support Intel® Xeon® E-2278GE/ Core™ i7-9700E/ Core™ i5-9500E/ Core™ i3-9300E Processors
- Support Dual Channel DDR4 SO-DIMM 2666 ,up to 32GB per module
- Support 2x HDMI per module
- Support 2x USB 3.0 per module
- MEC Arch module system
- Support fail over function



IWOS-04A-9782



IWOS-08A-9782

System

Model	IWOS-04A-9782	IWOS-08A-9782
Description	5U Dual MEC Arch Modules System	4U Quad MEC Arch Modules System
Module	2x PEB-9782G2R(MEC Arch Module)	4x PEB-9782G2R(MEC Arch Module)
Baseboard	PBPE-04A	PBPE-08A
Chipset	Intel® C246 Chipset	
Processor	Intel® Xeon® E-2278GE / Core™ i7-9700E / Core™ i5-9500E / Core™ i3-9300E	
BIOS	AMI uEFI BIOS	
Memory	4x Dual Channel DDR4 2666 SO-DIMM Socket up 128GB (2x Channel DDR4 2666 SO-DIMM Socket per module)	8x Dual Channel DDR4 2666 SO-DIMM Socket up 128GB (2x Channel DDR4 2666 SO-DIMM Socket per module)
Storage	4x NVMe M.2 2280 Sockets (2x NVMe M.2 2280 Sockets per Module) 4x 3.5" HDDs	8x NVMe M.2 2280 Sockets (2x NVMe M.2 2280 Sockets per Module) 8x 3.5" HDDs
H/W Status Monitor	Temperature Voltage CPU and PSU FAN speed detection	Temperature Voltage CPU and PSU FAN speed detection
Expansion	2x PCIe16 Slots 2x Mini-PCIe sockets	4x PCIe16 Slots

External I/O

USB	4x USB 3.0 (2x USB 3.0 per module)	8x USB 3.0 (2x USB 3.0 per module)
Ethernet	4x Gigabit Ethernet Ports (2x Gigabit Ethernet Ports per module) 2x Gigabit Ethernet Ports on base board	8x Gigabit Ethernet Ports (2x Gigabit Ethernet Ports per module) 4x Gigabit Ethernet Ports on base board 2x 10Gb SFP + Ports on base board
Display	4x HDMI Ports (2x HDMI per module)	8x HDMI Ports (2x HDMI per module)

Power Supply Unit

Power Supply	1x Flex ATX 650 Watt PFC Power Supply AC 100 ~ 240V Full Range Input	1x 1600 Watt CRPS (Common Redundant Power Supply) AC 100 ~ 240V Full Range Input
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Mechanical & Environment

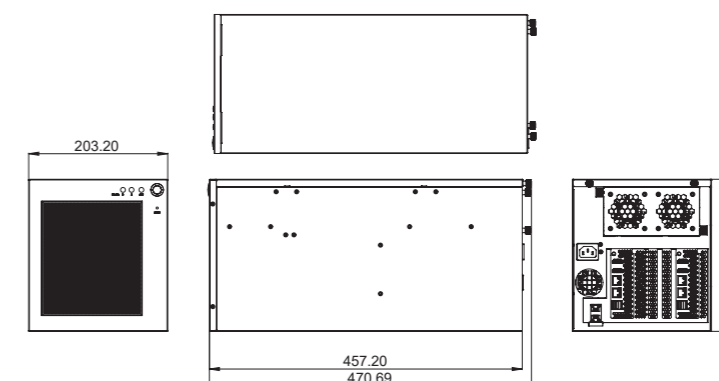
Operating Temperature	0°C ~ 40°C	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C	-20°C ~ 70°C
Relative Humidity	20 ~ 60 %, non-condensing (Operation) 10 ~ 95%, non-condensing (Storage)	20 ~ 60 %, non-condensing (Operation) 10 ~ 95%, non-condensing (Storage)
Operating Vibration	0.5Grms, 10-300Hz, IEC 60068-2-64	0.5Grms, 10-300Hz, IEC 60068-2-64
Operating Shock	1.08 Grms peak acceleration X/ Y/Z axis, 11 ms, IEC 60068-2-27	1.08 Grms peak acceleration X/ Y/Z axis, 11 ms, IEC 60068-2-27
Certification	CE, FCC, IEC62368-1	CE, FCC, IEC62368-1
Dimension	468.70(W) x 203.20(D) x 222.25(H) mm(System only) 640(W) x 380(D) x 460(H) mm(Carton)	472.80(W) x 646.55(D) x 177.80(H) mm(System only) 930(W) x 770(D) x 430(H) mm(Carton)
Weight	11.94kg(N) / 15.76kg(G)	23.8kg(N) / 32.6kg(G)



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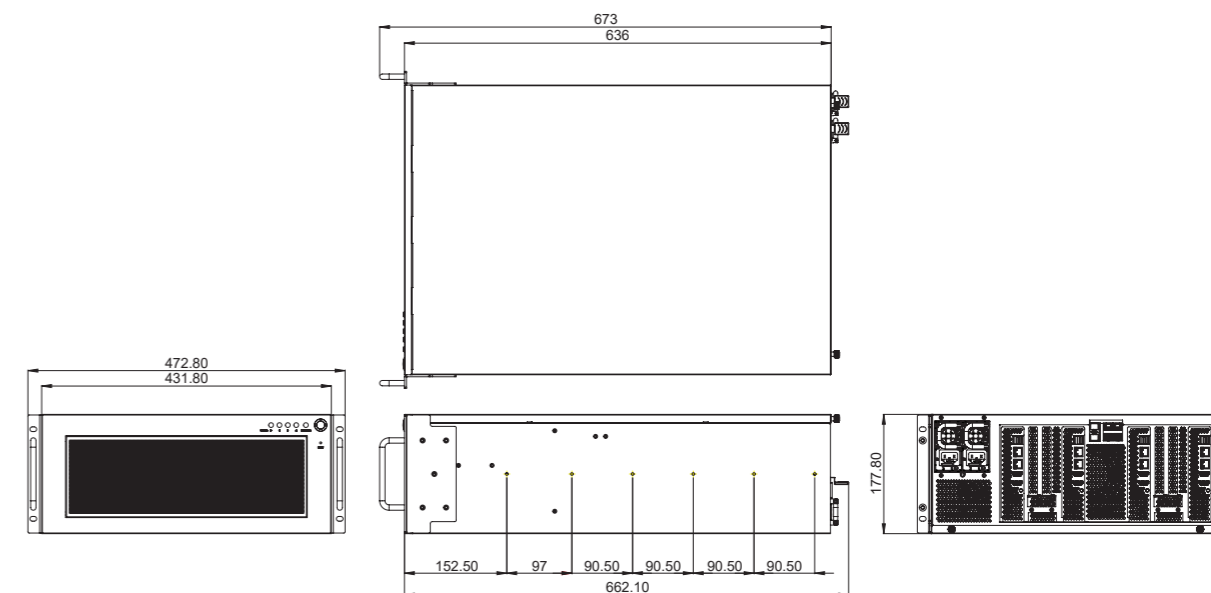
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MECHANICAL DRAWING : IWOS-04A-9782



Unit: mm

MECHANICAL DRAWING : IWOS-08A-9782



Unit: mm

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