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# Specifications

## System

Processor	Intel® Core™ i7-10700 8 Cores Up to 4.7 GHz, TDP 65W
Chipset	Intel® W480E Chipset
Memory	•2x DDR4 SO-DIMM Socket, Support Up to 64GB ( Un-buffered and non-ECC) •Pre-installed 64GB or 32GB
BIOS	•AMI BIOS

## I/O

LAN	•2 x GbE LAN, RJ45  • 2 x 10GbE optical LAN, SFP+
USB	•2 x 10Gbps USB 3.2 Gen2, Type A •4 x 5Gbps USB 3.2 Gen1, Type A •2 x 480Mbps USB 2.0, Type A

## Storage

SSD/HDD	• 1x 2.5" Front Accessible SATA HDD/SSD Bay ( SATA 3.0 ) • 1x 2.5" Internal SATA HDD/SSD Bay ( SATA 3.0 )
mSATA	• 3x mSATA Socket ( SATA 3.0, shared by Mini-PCIe socket )
M.2 SSD	• 1x M.2 Key M Type 2280 Socket, Support PCIe x4 NVMe SSD or SATA SSD ( SATA 3.0 )
RAID	• Support RAID 0/1/5/10

## Other Function

External FAN Connector	• 1 x External FAN Connector, 4-pin Terminal Block (Support Smart Fan by BIOS)
Power Ignition Sensing	• Support Power Ignition Sensing Function with Delay Time Management and Selectable 12V/24V (With Optional CFM Module)
Clear CMOS Switch	• 1 x Clear CMOS Switch
Rest Button	• 1 x Rest Button
Instant Reboot	• Support 0.2sec Instant Reboot Technology
Watchdog Timer	• Software Programmable Supports 256 Levels System Reset

## Power

Power Button	• 1 x ATX Power On/Off Button
Power Mode Switch	• 1 x AT/ATX Mode Switch
Power Input	• 9 - 48VDC, 3-pin Terminal Block
Remote Power On/Off	• 1 x Remote Power On/Off, 2-pin Terminal Block
Remote Power LED	• 1 x Remote Power LED, 2-pin Terminal Block
Total Power Budget	• 180W

## Physical

Dimension ( W x D x H )	• 227 x 261 x 128 mm
Weight Information	• 5.4 KG
Mechanical Construction	• Extruded Aluminum with Heavy Duty Metal
Mounting	• Wall Mount
Physical Design	• Fanless Design • Cableless Design • Jumper-less Design • Unibody Design

## Reliability & Protection

Reverse Power Input Protection	• Yes
Over Voltage Protection	• Protection Range: 51~58V • Protection Type: shut down operating voltage, re-power on at the preset level to recover
Over Current Protection	• 15A
Surge Protection	• 3.84 kV (impedance 12 ohm 1.2/50us waveform)
CMOS Battery Backup	• SuperCap Integrated for CMOS Battery Maintenance-free Operation
MTBF	• 371,393 Hours - Database: Telcordia SR-332 Issue 3, Method 1, Case 3

## Operating System

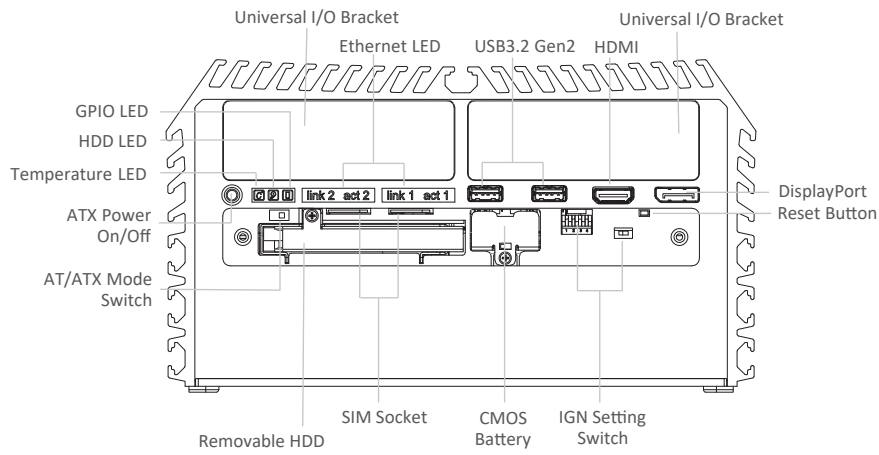
Windows	• Windows® 10
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## Environment

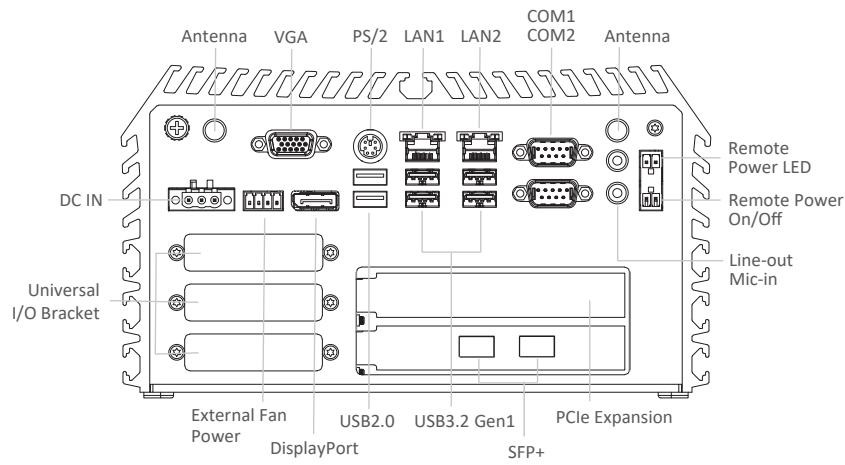
Operating Temperature	• 35W TDP Processor: -40°C to 70°C • 58W – 65W TDP Processor: -40~50°C (With External Fan Kit) • 80W TDP Processor: -40~40°C (With External Fan Kit)  * PassMark BurnInTest: 100% CPU, 2D/3D Graphics (without thermal throttling) * With extended temperature peripherals; Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14
Storage Temperature	• -40°C to 85°C
Relative Humidity	• 95%RH @ 70°C (non-Condensing)
Shock	• MIL-STD-810G
Vibration	• MIL-STD-810G
EMC	• CE, FCC, ICES-003 Class A, EN50121-3-2 (Railway)
Safety	• IEC/EN 62368-1

## External Layout

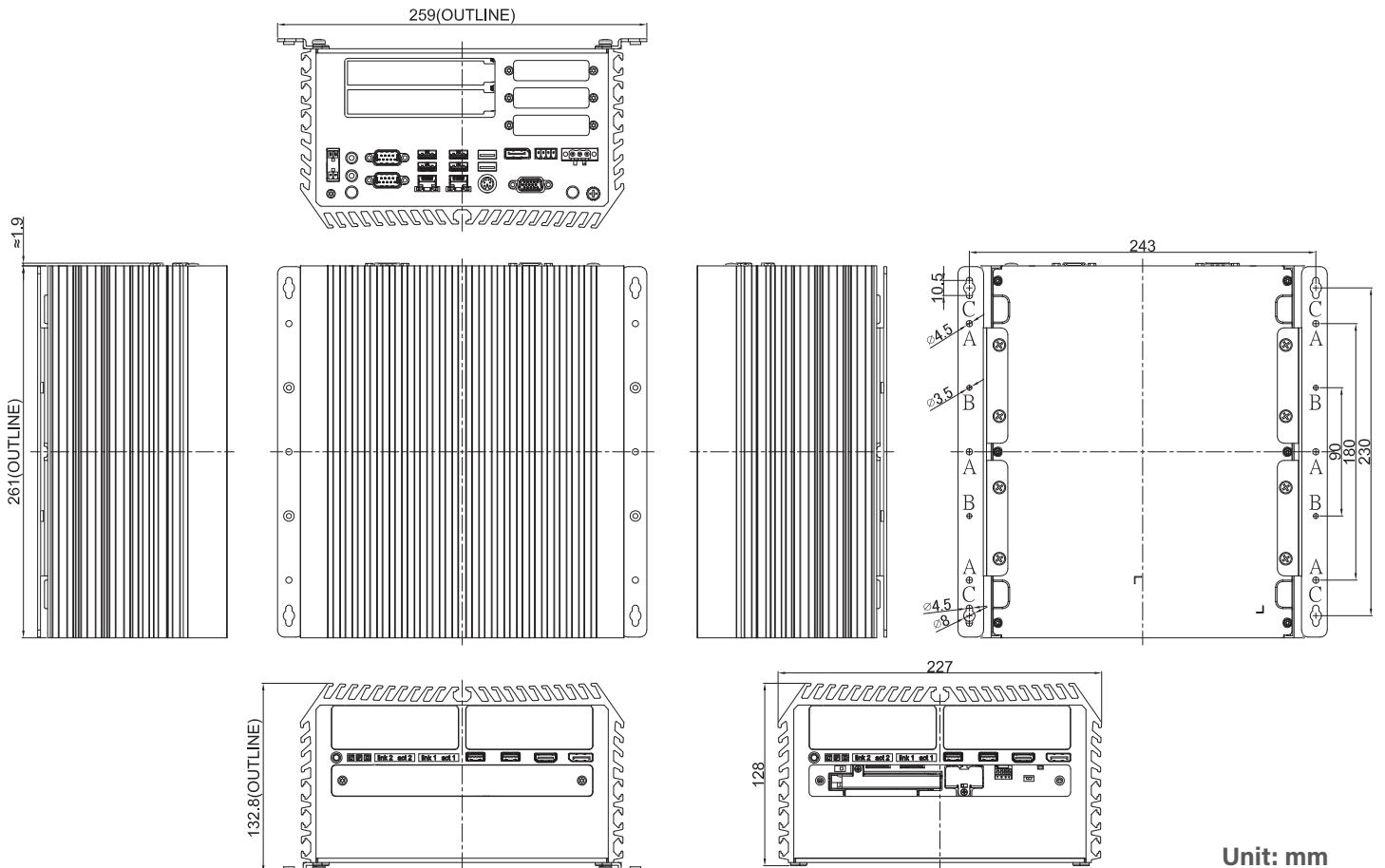
Front I/O



Rear I/O



## Dimensions



Unit: mm

## Ordering Information

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### Available Models

Model No.	Description
FRONT Deskwall 620.99.4016 Win 10 Pro	Booster, Intel Core i7 10700, Windows 10 Pro, SSD 1024 TB, RAM 64 GB
FRONT Deskwall 620.99.4017	Booster, Intel Core i7 10700, SSD 512 GB, RAM 32 GB
FRONT Deskwall 620.99.4018	Booster, Intel Core i7 10700, SSD 0 GB, RAM 32 GB

### Optional Function Modules

Model No.	Description
CFM-IGN101	CFM Module with Power Ignition Sensing Function, 12V/24V Selectable