

# ANA-D8050

## Valor ANA-D8050 Series Desktop Mini System



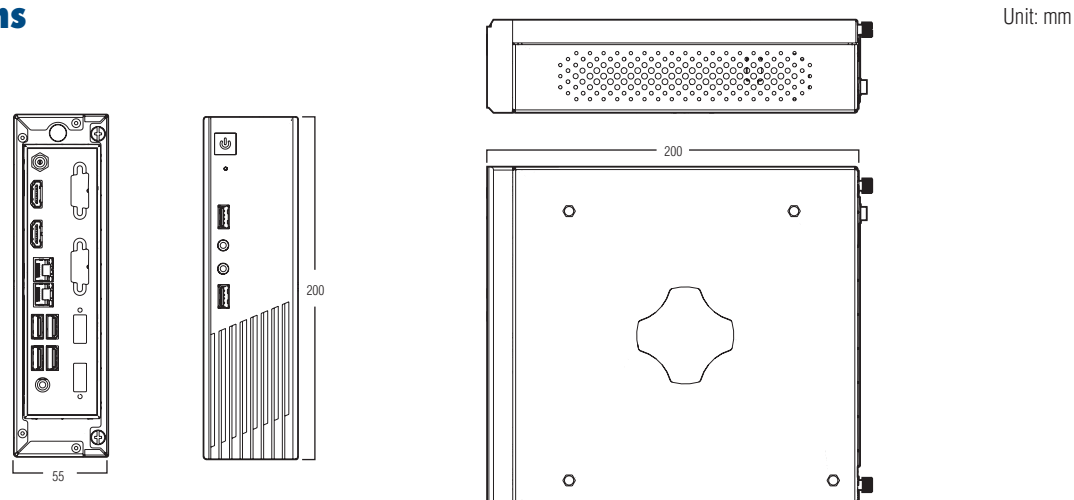
### Features

- Supports Intel® 10th Gen Core™ i7/i5/i3 Processors
- Dual HDMI display support
- 2x USB 3.1 (Front); 4x USB 3.2 (Rear)
- 2x GbE LANs
- High speed M.2 2280 NVMe storage
- Optional 2.5" SATA SSD storage
- Audio jacks front and rear
- Integrated TPM 2.0 module for enhanced security
- 12~24VDC input power range
- Compact 55x200x200 mm size

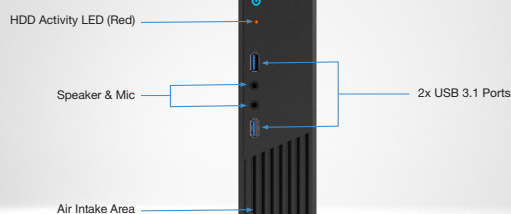
### Specifications

|                    |                        |                                                                                |                 |                                             |
|--------------------|------------------------|--------------------------------------------------------------------------------|-----------------|---------------------------------------------|
| Processor System   | CPU                    | i7-10700TE/                                                                    | i5-10500TE/     | i3-10100TE/                                 |
|                    | Core / Threads         | 8/16                                                                           | 6/12            | 4/8                                         |
|                    | Base / Turbo Speed     | 2.0GHz/4.40GHz                                                                 | 2.30GHz/3.70GHz | 2.30GHz/3.60GHz                             |
|                    | Smart Cache            | 16MB                                                                           | 12MB            | 6MB                                         |
|                    | TDP                    | 35W                                                                            | 35W             | 35W                                         |
| Memory             | Technology             | Dual Channel DDR4 2933MHz SDRAM                                                |                 |                                             |
|                    | Max. Capacity          | 64GB ( up to 32GB per SO-DIMM)                                                 |                 |                                             |
|                    | Socket                 | 2 x 260 pin DDR4 SO-DIMM (Non-ECC)                                             |                 |                                             |
| Graphics           | Controller             | Intel UHD Graphics 630                                                         |                 |                                             |
|                    | Display Ports          | 3x DP++                                                                        |                 |                                             |
| Ethernet           | Controller             | GbE LAN1: Intel i219LM<br>GbE LAN2: Intel i211AT                               |                 |                                             |
|                    | Connector              | 2x RJ-45                                                                       |                 |                                             |
| I/O Interface      | USB                    | 2x USB 3.1 Type A (Front), 4x USB 3.2 Type A (Rear)/Optional 2x USB 2.0 (Rear) |                 |                                             |
|                    | Audio                  | Audio In/Out jacks (Front 3.2W @4Ω), Programmable Audio Jack (Rear)            |                 |                                             |
|                    | Serial                 | Optional 2x RS-232                                                             |                 |                                             |
|                    | Switches / LEDs        | Power Switch w/Integrated Power LED & HDD Activity LED (Front)                 |                 |                                             |
| Storage            | Drive Bay              | 1x 2.5" SATA HDD/SSD                                                           |                 |                                             |
|                    | M.2 (M-Key)            | 2280 NVMe PCIe x4 for SSD                                                      |                 |                                             |
| Security           | TPM                    | TPM 2.0 module                                                                 |                 |                                             |
| Watchdog Timer     | Output                 | System reset                                                                   |                 |                                             |
|                    | Interval               | Programmable 1~255 sec/min                                                     |                 |                                             |
| Power Requirements | Input Power            | 12~24 VDC input jack                                                           |                 |                                             |
| Mechanical         | Weight                 | 3.9lbs (1.8 Kg)                                                                |                 |                                             |
|                    | Dimensions (W x H x D) | 55 x 200 x 200 mm (2.17" x 7.88" x 7.88")                                      |                 |                                             |
| Environment        | Temperature            | Operating:<br>0 ~ 35° C (32 ~ 95° F)                                           |                 | Non-Operating:<br>-20 ~ 70° C (-4 ~ 158° F) |
|                    | Relative Humidity      | 10 ~ 85% (non-condensing)                                                      |                 | 10 ~ 85% (non-condensing)                   |
| Certification      | EMC                    | CE/FCC                                                                         |                 |                                             |
|                    | Safety                 | UL, CB (62368-1)                                                               |                 |                                             |

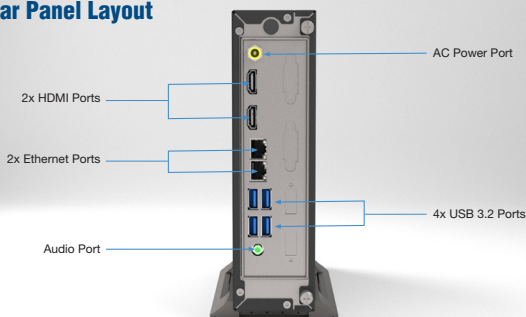
## Dimensions



### Front Panel Layout



### Rear Panel Layout



## Ordering Information

| Model                  | Part Number      | Power Supply      | Supported MB     | CPU     | DRAM     | SSD       |
|------------------------|------------------|-------------------|------------------|---------|----------|-----------|
| ANA-D8050              | ANA-D8050-100-A1 | 96PSA-A150W12W7-4 | AIMB-287FL-00A1E | Core i7 | 8GB DDR4 | 512GB m.2 |
| ANA-D8050 Bare Bones** | ANA-D8050-000-A1 | 96PSA-A150W12W7-4 | AIMB-287FL-00A1E | N/A     | N/A      | N/A       |

\*\* For customizable configurations please reach out to Advantech Sales team

## Packing List

| Part Number       | Description                                      | Quantity |
|-------------------|--------------------------------------------------|----------|
| 96PSA-A150W12W7-4 | ADP A/D 100-240V 150W 12V Lockable DC Jack 62368 | 1        |

## Embedded OS

| Part Number | Description                                      |
|-------------|--------------------------------------------------|
| 968QW19HLE  | Win 10 IoT Ent 2019 LTSC MultiLang ORY OEI High  |
| 968QW19ELE  | Win 10 IoT Ent 2019 LTSC MultiLang ORY OEI Entry |

## Certified Optional Peripherals

| Part Number        | Description                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1702002600         | Power cable 3-pin 183cm, USA type                                                                                                                                                                                           |
| 1702031801         | Power cable 3-pin 183cm, UK type                                                                                                                                                                                            |
| 1702002605         | Power cable 3-pin 183cm, Europe type                                                                                                                                                                                        |
| CPU                | Core i3 2.3G 6M 1200P 4C I3-10100TE 35W<br>Core i5 2.3G 12M 1200P 6C I5-10500TE 35W<br>Core i7 2.0G 16M 1200P 8C I7-10700TE 35W                                                                                             |
| RAM                | 8GB DDR4 SODIMM-3200 1GbX8 SAM                                                                                                                                                                                              |
| SSD                | SQF PCIe/NVMe M.2 2280 OPAL 720-D 512G 3D TLC BiCS5 (0~70°C)<br>PCIe/NVMe M.2 2280 OPAL 720-C 2T 3D TLC BiCS4 KIOXIA SSSSTC SEMI-WT SSD 512GB 2.5" SATA3 Tos 96 TLC -25°C ~ +85 °C<br>Micron 5300PRO 2.5" 1.9TB SATA3 3DTLC |
| 19US000H0314C2XX3A | Plastic Stand                                                                                                                                                                                                               |
| 965U8050100        | VESA Mounting Kit                                                                                                                                                                                                           |