

# EPC-T1000 Barebone System Series

## Thin Barebone System with Embedded Low Profile Mini-ITX Motherboard

**NEW**



### Features

- Thin design, only 1U height
- Thin, barebone system with multiple IO ports, suitable for a variety of environments with DC-in design
- Quick, easy installation of additional peripherals
- One 2.5" shock-resistant drive bay
- Supports wall/VESA/DIN-rail/Rack mount
- Locking type type DC power jack
- Supports WISE-PaaS/RMM

WISE-PaaS/RMM CE FCC RoHS

### Specifications

| Model Name              |                           | EPC-T1215                                            | EPC-T1225                                        | EPC-T1231                                       | EPC-T1227                                        |
|-------------------------|---------------------------|------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|
| Order Number            |                           | AIMB-T1215DA-00Y0E                                   | AIMB-T12250A-00Y0E                               | AIMB-T12315A-00Y0E                              | AIMB-T12272A-00Y0E                               |
| Barebone System         | Description               | Fan-based barebone, w/ adapter, w/o HDD, memory      | Fan-based barebone, w/ adapter, w/o HDD, memory  | Fan-based barebone, w/ adapter, w/o HDD, memory | Fan-based barebone, w/ adapter, w/o HDD, memory  |
| Processor System        | Compatible Motherboard    | AIMB-215D-S6B1E                                      | AIMB-225G2-00A1E                                 | AIMB-231G2-U5A1E                                | AIMB-227MG2-02A1E                                |
|                         | Thermal solution          | 1x chassis fan (4cm/23.8CFM each)                    | 1x chassis fan (4cm/23.8CFM each)                | 1x chassis fan (4cm/23.8CFM each)               | 1x chassis fan (4cm/23.8CFM each)                |
|                         | CPU                       | Intel® Bay Trail Quad Core Celeron® J1900 (on board) | AMD G-series Quad Core GX-424CC (on board)       | Intel Core™ i5-5350U (on board)                 | AMD RX-216GD (on board)                          |
| Memory                  | BIOS                      | AMI 16 Mbit SPI                                      | AMI 16 Mbit SPI                                  | AMI 128 Mbit SPI                                | AMI 16 Mbit SPI                                  |
|                         | Socket                    | 2 x 204 PIN DDR3 SODIMM (Non-ECC)                    | 2 x 204 PIN DDR3 SODIMM (Non-ECC)                | 2 x 204 PIN DDR3 SODIMM (Non-ECC)               | 2 x 260-pin DDR4 SO-SIMM                         |
|                         | Technology                | DDR3L 1066/1333 MHz SDRAM                            | DDR3L 1333/1866 MHz SDRAM                        | DDR3L 1600 MHz SDRAM                            | DDR4 2133MHz SDRAM                               |
| Graphics                | Max. Capacity             | 8 GB/up to 4 GB per SODIMM                           | 16 GB/up to 8 GB per SODIMM                      | 16 GB/up to 8 GB per SODIMM                     | 16 GB/up to 8 GB per SODIMM                      |
|                         | Chipset Integrated        | Integrated Intel HD Graphics                         | AMD Radeon™ HD 8000 series Graphics              | Intel® HD Graphics 6000                         | AMD Radeon 3rd Generation GCN (Up to 8 CUs)      |
| Storage                 | 2.5" HDD bay              | 1 (support 2.5" HDD/SSD, max 9.5 mm height)          | 1 (support 2.5" HDD/SSD, max 9.5 mm height)      | 1 (support 2.5" HDD/SSD, max 9.5 mm height)     | 1 (support 2.5" HDD/SSD, max 9.5 mm height)      |
|                         | mSATA Slot                | 1 (share w/ full size Mini-PCIe slot)                | 1 (share w/ full size Mini-PCIe slot)            | 1 (share w/ full size Mini-PCIe slot)           | 1 (share w/ full size Mini-PCIe slot)            |
|                         | Interface                 | 10/100/1000 Mbps                                     | 10/100/1000 Mbps                                 | 10/100/1000 Mbps                                | 10/100/1000 Mbps                                 |
| Ethernet                | Controller                | LAN1: Realtek RTL8111E<br>LAN2: Realtek RTL8111E     | LAN1: Realtek RTL8111G<br>LAN2: Realtek RTL8111G | LAN1: Intel PHY i218-LM<br>LAN2: Intel i210     | LAN1: Realtek RTL8111G<br>LAN2: Realtek RTL8111G |
|                         | Connector                 | 2 (RJ-45)                                            | 2 (RJ-45)                                        | 2 (RJ-45)                                       | 2 (RJ-45)                                        |
|                         | Audio                     | Realtek ALC892, High Definition Audio(HD)            | Realtek ALC892, High Definition Audio(HD)        | Realtek ALC892, High Definition Audio(HD)       | Realtek ALC892, High Definition Audio(HD)        |
| Internal Expansion Slot | Mini-PCIe                 | 1+1 (Full-size, Half-size)                           | 1+1 (Full-size, Half-size)                       | 1+1 (Full-size, Half-size)                      | 1 (Full-Size)                                    |
| Front Panel             | USB                       | 4 (USB2.0)                                           | 4 (USB2.0)                                       | 2 (USB2.0)                                      | 2 (USB2.0)                                       |
|                         | COM                       | 5 (RS-232)                                           | 5 (4 x RS-232, 1 x RS-232/422/485)               | 2 (1 x RS-232, 1 x RS-232/422/485)              | 5 (4 x RS-232, 1 x RS-232/422/485)               |
|                         | Audio Jack                | 2 (Line-Out, Mic-In)                                 | 2 (Line-Out, Mic-In)                             | 2 (Line-Out, Mic-In)                            | 2 (Line-Out, Mic-In)                             |
|                         | Antenna (optional)        | up to 2                                              | up to 2                                          | up to 2                                         | up to 2                                          |
|                         | DP++                      | 1                                                    | 1                                                | 1                                               | 0                                                |
| Rear Panel              | DP/HDMI                   | 0                                                    | 0                                                | 1                                               | 1/1                                              |
|                         | VGA                       | 1                                                    | 0                                                | 0                                               | 0                                                |
|                         | DVI                       | 0                                                    | 1 (DVI-I)                                        | 0                                               | 1                                                |
|                         | Lan                       | 2 (RJ-45)                                            | 2 (RJ-45)                                        | 2 (RJ-45)                                       | 2 (RJ-45)                                        |
|                         | USB                       | 1 (USB3.0); 3 (USB2.0)                               | 2 (USB3.0); 2 (USB2.0)                           | 4 (USB3.0)                                      | 2 (USB3.0); 2 (USB2.0)                           |
|                         | Audio Jack                | 1 (Line-Out)                                         | 1 (Line-Out)                                     | 2 (Line-Out, Mic-In)                            | 1 (Line-Out)                                     |
|                         | Power Input               | 1 (DC Jack)                                          | 1 (DC Jack)                                      | 1 (DC Jack)                                     | 1 (DC Jack)                                      |
|                         | COM                       | 1 (RS-232)                                           | 0                                                | 0                                               | 1 (RS232)                                        |
|                         | Antenna (optional)        | up to 2                                              | up to 2                                          | up to 2                                         | up to 2                                          |
|                         | LED Indicators            | 2 (Power LED, HDD LED)                               | 2 (Power LED, HDD LED)                           | 2 (Power LED, HDD LED)                          | 2 (Power LED, HDD LED)                           |
| Miscellaneous           | Control                   | 1 (Power Switch); 1 (Reset Switch)                   | 1 (Power Switch); 1 (Reset Switch)               | 1 (Power Switch); 1 (Reset Switch)              | 1 (Power Switch); 1 (Reset Switch)               |
|                         | Voltage                   | 12V DC-in                                            | 12V DC-in                                        | 12V DC-in                                       | 12V DC-in                                        |
| Power Requirements      | Power Consumption         | 14.27W (idle with Intel Celeron J1900)               | 14.47W (idle with AMD G-series GX-424CC)         | 14.4W (idle with Intel ULTI i5 Processor)       | TBD                                              |
|                         | Operating Temperature     | 0 ~ 50 °C (32 ~ 122 °F)                              | 0 ~ 50 °C (32 ~ 122 °F)                          | 0 ~ 50 °C (32 ~ 122 °F)                         | 0 ~ 50 °C (32 ~ 122 °F)                          |
| Environment             | Non-operating Temperature | -40 ~ 85 °C (-40 ~ 185 °F)                           | -40 ~ 85 °C (-40 ~ 185 °F)                       | -40 ~ 85 °C (-40 ~ 185 °F)                      | -40 ~ 85 °C (-40 ~ 185 °F)                       |
|                         | Humidity                  | 10 ~ 95% @ 40 °C, non-condensing                     | 10 ~ 95% @ 40 °C, non-condensing                 | 10 ~ 95% @ 40 °C, non-condensing                | 10 ~ 95% @ 40 °C, non-condensing                 |
|                         | Vibration (5 ~ 00Hz)      | 1 Grms (HDD x 1); 3 Grms (SSD x 1)                   | 1 Grms (HDD x 1); 3 Grms (SSD x 1)               | 1 Grms (HDD x 1); 3 Grms (SSD x 1)              | 1 Grms (HDD x 1); 3 Grms (SSD x 1)               |
| Dimensions (W x H x D)  | Dimensions (W x H x D)    | 250 x 43 x 210 mm<br>(9.84" x 1.69" x 8.27")         | 250 x 43 x 210 mm<br>(9.84" x 1.69" x 8.27")     | 250 x 43 x 210 mm<br>(9.84" x 1.69" x 8.27")    | 250 x 43 x 210 mm<br>(9.84" x 1.69" x 8.27")     |
| Weight                  | Weight                    | 3.1kg                                                | 3.1kg                                            | 3.1kg                                           | 3.1kg                                            |

## EPC-T1000 Barebone System Series

### Specifications

| Model Name              |                                         | EPC-T1215                                            | EPC-T1217                                                   | EPC-T1231                                     | EPC-T1232                                                                                         |
|-------------------------|-----------------------------------------|------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Order Number            |                                         | AIMB-T1215DW-00Y0E                                   | AIMB-T1217DW-00Y0E                                          | AIMB-T12315W-00Y10                            | AIMB-T12325W-00Y10                                                                                |
| Barebone BOM system     | Description                             | Fanless barebone, w/ adapter, w/o SSD, memory        | Fanless barebone, w/ adapter, w/o SSD, memory               | Fanless barebone, w/ adapter, w/o SSD, memory | Fanless barebone, w/ adapter, w/o SSD, memory                                                     |
| Processor System        | Compatible Motherboard                  | AIMB-215D-S6B1E                                      | AIMB-217D-S6A1E                                             | AIMB-231G2-U5A1E                              | AIMB-232G2-U5A1E                                                                                  |
|                         | Thermal solution                        | Fanless (0.7 m/s air flow)                           | Fanless (0.7 m/s air flow)                                  | Fanless (0.7 m/s air flow)                    | Fanless (0.7 m/s air flow)                                                                        |
|                         | CPU                                     | Intel® Bay Trail Quad core Celeron™ J1900 (on board) | Intel Pentium Quad Core N4200 (on board)                    | Intel Core™ i5-5350U (on board)               | Intel Core™ i5-6300U (on board)                                                                   |
|                         | BIOS                                    | AMI 16 Mbit SPI                                      | AMI 128 Mbit SPI                                            | AMI 128 Mbit SPI                              | AMI uEFI 16 Mbit                                                                                  |
| Memory                  | Socket                                  | 2 x 204 PIN DDR3 SODIMM (Non-ECC)                    | 2 x 204-pin DDR3L SO-DIMM (Non-ECC)                         | 1 x 204 PIN DDR3 SODIMM (Non-ECC)             | 1 x 260 PIN DDR4 SO-DIMM (Non-ECC)                                                                |
|                         | Technology                              | DDR3L 1066/1333 MHz SDRAM                            | Dual channel DDR3L 1867 MHz SDRAM                           | DDR3L 1600 MHz SDRAM                          | DDR4 2133 MHz SDRAM                                                                               |
|                         | Max. Capacity                           | 8 GB/up to 4 GB per SODIMM                           | 8 GB/8 GB per SO-DIMM                                       | max 8GB                                       | max 8GB                                                                                           |
| Graphics                | Chipset integrated                      | Integrated Intel HD Graphics                         | Intel Gen 9 Graphics Engines and media encode/decode engine | Intel® HD Graphics 6000                       | Intel® HD Graphics 6000                                                                           |
| Storage                 | 2.5" HDD bay                            | 1 (Only support 2.5" SSD, max 9.5 mm height)         | 1 (Only support 2.5" SSD, max 9.5 mm height)                | 1 (Only support 2.5" SSD, max 9.5 mm height)  | 1 (Only support 2.5" SSD, max 9.5 mm height)                                                      |
|                         | mSATA Slot                              | 1 (share w/ full size Mini-PCIe slot)                | 1 (share w/ full size Mini-PCIe slot)                       | 1 (share w/ full size Mini-PCIe slot)         | 1 (share w/ full size Mini-PCIe slot)                                                             |
|                         | M.2                                     | 0                                                    | 1 (E key for wireless module support)                       |                                               |                                                                                                   |
| Ethernet                | Interface                               | 10/100/1000 Mbps                                     | 10/100/1000 Mbps                                            | 10/100/1000 Mbps                              | 10/100/1000 Mbps                                                                                  |
|                         | Controller                              | LAN1: Realtek RTL8111E<br>LAN2: Realtek RTL8111E     | LAN1: Realtek RTL8111G<br>LAN2: Realtek RTL8111G            | LAN1: Intel PHY i218-LM<br>LAN2: Intel i210   | LAN1: Intel Clarkville I219LM GbE PHY<br>LAN2: Intel Springfield I211 GbE (co-layer intel I210IT) |
|                         | Connector                               | 2 (RJ-45)                                            | 2 (RJ-45)                                                   | 2 (RJ-45)                                     | 2 (RJ-45)                                                                                         |
| Audio                   | Chipset                                 | Realtek ALC892, High Definition Audio(HD)            | Realtek ALC888S, High Definition Audio(HD)                  | Realtek ALC892, High Definition Audio(HD)     | Realtek ALC892, High Definition Audio(HD)                                                         |
| Internal expansion Slot | Mini-PCIe                               | 1+1 (Full-size, Half-size)                           | 1 (F/S with SIM card holder)                                | 1+1 (Full-size, Half-size)                    | 1+1 (Full-size, SIM card holder)                                                                  |
| Front Panel             | USB                                     | 4 (USB2.0)                                           | 4 (USB2.0)                                                  | 2 (USB2.0)                                    | 2 (USB2.0)                                                                                        |
|                         | COM                                     | 5 (RS-232)                                           | 5 (4 x RS-232, 1 x RS-232/422/485)                          | 2 (1 x RS-232, 1 x RS-232/422/485)            | 2 (support RS-232 and supports 5V/12V by jumper selecting)                                        |
|                         | Audio Jack                              | 2 (Line-Out, Mic-In)                                 | 2 (Line-Out, Mic-In)                                        | 2 (Line-Out, Mic-In)                          | 2 (Line-Out, Mic-In)                                                                              |
|                         | Antenna (optional)                      | up to 2                                              | up to 2                                                     | up to 2                                       | up to 2                                                                                           |
| Rear Panel              | DP++                                    | 1                                                    | 0                                                           | 1                                             | 1                                                                                                 |
|                         | DP/HDMI                                 | 0                                                    | 1                                                           | 1                                             | 1                                                                                                 |
|                         | VGA                                     | 1                                                    | 1                                                           | 0                                             | 0                                                                                                 |
|                         | DVI                                     | 0                                                    | 0                                                           | 0                                             | 0                                                                                                 |
|                         | Lan                                     | 2 (RJ-45)                                            | 2 (RJ-45)                                                   | 2 (RJ-45)                                     | 2 (RJ-45)                                                                                         |
|                         | USB                                     | 1 (USB3.0); 3 (USB2.0)                               | 4 (USB3.0)                                                  | 4 (USB3.0)                                    | 4 (USB3.0)                                                                                        |
|                         | Audio Jack                              | 1 (Line-Out)                                         | 1 (Line out)                                                | 2 (Line-Out, Mic-in)                          | 2 (Line-Out, Mic-in)                                                                              |
|                         | Power Input                             | 1 (DC Jack)                                          | 1 (DC Jack)                                                 | 1 (DC Jack)                                   | 1 (DC Jack)                                                                                       |
|                         | COM                                     | 1 (RS-232)                                           | 1 (RS-232)                                                  | 0                                             | 0                                                                                                 |
| Miscellaneous           | Antenna (optional)                      | up to 2                                              | up to 2                                                     | up to 2                                       | up to 2                                                                                           |
|                         | LED Indicators                          | 2 (Power LED, HDD LED)                               | 2 (Power LED, HDD LED)                                      | 2 (Power LED, HDD LED)                        | 2 (Power LED, HDD LED)                                                                            |
| Power Requirements      | Control                                 | 1 (Power Switch); 1 (Reset Switch)                   | 1 (Power Switch); 1 (Reset Switch)                          | 1 (Power Switch); 1 (Reset Switch)            | 1 (Power Switch); 1 (Reset Switch)                                                                |
|                         | Voltage                                 | 12V DC-in                                            | 12V DC-in                                                   | 12V DC-in                                     | 12V DC-in                                                                                         |
| Power Requirements      | Power Consumption                       | 10.17W (idle with Intel Celeron J1900)               | 14.64W (idle Pentium N4200)                                 | 14.4W (idle with Intel ULTI i5 Processor)     | TBD                                                                                               |
|                         | Operating Temperature (0.7m/s air flow) | 0 ~ 40 °C (32 ~ 104 °F) **                           | 0 ~ 40 °C (32 ~ 113 °F) **                                  | 0 ~ 45 °C (32 ~ 113 °F) **                    | 0 ~ 45 °C (32 ~ 113 °F) **                                                                        |
| Environment             | Non-operating Temperature               | -40 ~ 85 °C (-40 ~ 185 °F)                           | -40 ~ 85 °C (-40 ~ 185 °F)                                  | -40 ~ 85 °C (-40 ~ 185 °F)                    | -40 ~ 85 °C (-40 ~ 185 °F)                                                                        |
|                         | Humidity                                | 10 ~ 95% @ 40 °C, non-condensing                     | 10 ~ 95% @ 40 °C, non-condensing                            | 10 ~ 95% @ 40 °C, non-condensing              | 10 ~ 95% @ 40 °C, non-condensing                                                                  |
|                         | Vibration (5 ~ 500Hz)                   | 3 Grms (SSD x 1)                                     | 3 Grms (SSD x 1)                                            | 3 Grms (SSD x 1)                              | 3 Grms (SSD x 1)                                                                                  |
| Dimensions (W x H x D)  | Dimensions (W x H x D)                  | 250 x 43 x 210 mm (9.84" x 1.69" x 8.27")            | 250 x 43 x 210 mm (9.84" x 1.69" x 8.27")                   | 250 x 43 x 210 mm (9.84" x 1.69" x 8.27")     | 250 x 43 x 210 mm (9.84" x 1.69" x 8.27")                                                         |
| Weight                  | Weight                                  | 3.12 kg                                              | 3.12kg                                                      | 3.2kg                                         | 3.2kg                                                                                             |

\*\* : Under 0.7 m/s air flow SSD/mSATA are recommended

# EPC-T1000 Barebone System Series

## Front View



## Rear View



With AIMB-215D



With AIMB-225



With AIMB-232



With AIMB-231



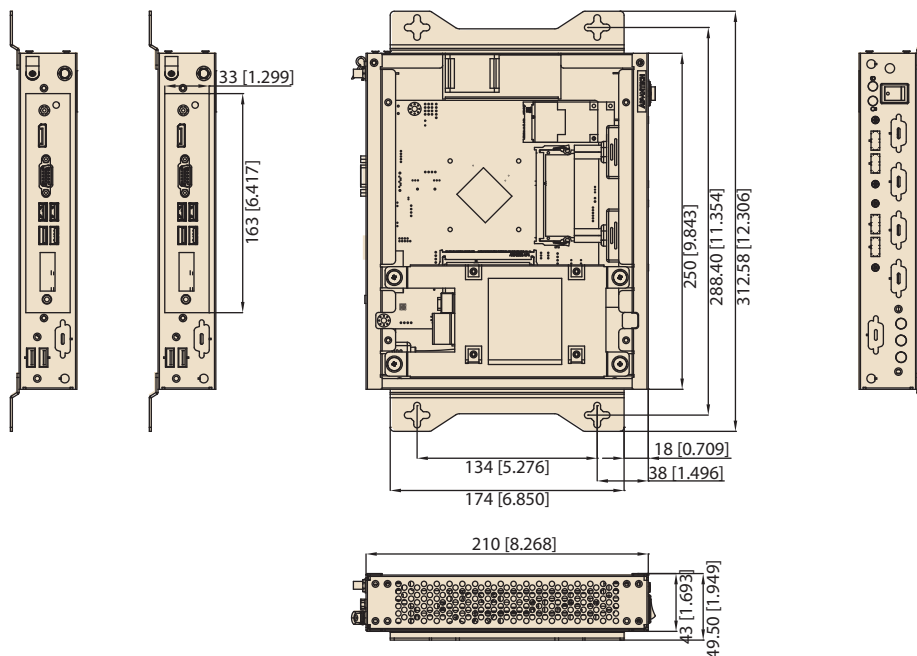
With AIMB-217



With AIMB-227

## Dimensions

Unit: mm [inch]



## EPC-T1000 Barebone System Series

### Ordering Information

| Model Name | Part Number        | Description                                        | Supported MB      | Front Panel |     |            | Rear Panel |         |     |     |     |     |             |       | Certification |
|------------|--------------------|----------------------------------------------------|-------------------|-------------|-----|------------|------------|---------|-----|-----|-----|-----|-------------|-------|---------------|
|            |                    |                                                    |                   | USB 2.0/3.0 | COM | Audio Jack | DP/DP++    | DP/HDMI | DVI | VGA | LAN | COM | USB 2.0/3.0 | Audio |               |
| EPC-T1215  | AIMB-T1215DA-00Y0E | AIMB-T1215 barebone with 60W power adaptor         | AIMB-215D-S6B1E   | (4/0)       | (5) | (2)        | (1)        | (0)     | (0) | (1) | (2) | (1) | (3/1)       | (1)   | CE, FCC       |
|            | AIMB-T1215DW-00Y0E | AIMB-T1215 fanless barebone with 60W power adaptor | AIMB-215D-S6B1E   | (4/0)       | (5) | (2)        | (1)        | (0)     | (0) | (1) | (2) | (1) | (3/1)       | (1)   | CE, FCC       |
| EPC-T1232  | AIMB-T12325W-00Y10 | AIMB-T1232 barebone with 60W power adaptor         | AIMB-232G2-U5A1E  | (2/0)       | (2) | (2)        | (1)        | (1)     | (0) | (0) | (2) | (0) | (0/4)       | (2)   | CE, FCC       |
|            | AIMB-T12323W-00Y10 | AIMB-T1232 barebone with 60W power adaptor         | AIMB-232G2-U3A1E  | (2/0)       | (2) | (2)        | (1)        | (1)     | (0) | (0) | (2) | (0) | (0/4)       | (2)   | CE, FCC       |
| EPC-T1231  | AIMB-T12315A-00Y0E | AIMB-T1231 barebone with 60W power adaptor         | AIMB-231G2-U5A1E  | (2/0)       | (2) | (2)        | (1)        | (1)     | (0) | (0) | (2) | (0) | (0/4)       | (2)   | CE, FCC       |
|            | AIMB-T12313A-00Y0E | AIMB-T1231 barebone with 60W power adaptor         | AIMB-231G2-U3A1E  | (2/0)       | (2) | (2)        | (1)        | (1)     | (0) | (0) | (2) | (0) | (0/4)       | (2)   | CE, FCC       |
|            | AIMB-T12315W-00Y10 | AIMB-T1231 Fanless barebone with 60W power adaptor | AIMB-231G2-U5A1E  | (2/0)       | (2) | (2)        | (1)        | (1)     | (0) | (0) | (2) | (0) | (0/4)       | (2)   | CE, FCC       |
| EPC-T1217  | AIMB-T1217DW-00Y0E | AIMB-T1217 fanless barebone with 60W power adaptor | AIMB-217D-S6A1E   | (4/0)       | (5) | (2)        | (0)        | (1/1)   | (0) | (1) | (2) | (1) | (0/4)       | (1)   | CE/FCC        |
| EPC-T1227  | AIMB-T12272A-00Y0E | AIMB-T1227 barebone with 60W power adaptor         | AIMB-227MG2-02A1E | (2/0)       | (5) | (2)        | (0)        | (1/1)   | (1) | (0) | (2) | (1) | (2/2)       | (1)   | CE/FCC        |

### Packing List

| Description           | Quantity     |
|-----------------------|--------------|
| Warranty Card         | 1            |
| SATA Data+Power Cable | 1            |
| Power cable clamp     | 1            |
| Rubber Feet Pad       | 4            |
| Screw (For HDD)       | 6            |
| Reserved Screw        | 2            |
| Adapter               | Based on P/N |

### Optional Accessories

| Part Number      | Description                                                  |
|------------------|--------------------------------------------------------------|
| AIMB-0BRK-WM02E  | Wall Mounting Bracket                                        |
| AIMB-0BRK-VM03E  | VESA Mounting Bracket                                        |
| AIMB-0BRK-DR02E  | Din Rail Mounting Bracket                                    |
| AIMB-0BRK-RM01E  | Rack mount bracket                                           |
| 1700023474-01    | 2 ports USB cable for front panel, 345mm                     |
| 1700022991-01    | 2 ports USB cable for rear panel, 100mm                      |
| 1700022988-01    | 4 ports COM Cable for front panel, 130+170+210+250mm         |
| 1700022990-01    | 1 prot COM Cable for rear panel, 150mm                       |
| 1700022992-01    | 2 ports Audio Cable for front panel, 200mm                   |
| 96PSA-A60W12V1-1 | 60W Power Adapter, DC 12V/ 5.0A, AC 100-240VAC/ 1.5A 50-60Hz |
| 96PSA-A84W12V1   | 84W Power Adapter, DC 12V/ 7.0A, AC 100-240VAC/ 1.3A 50-60Hz |
| 1702002600       | Power cord, 3-pin power cord (US)                            |
| 1702002605       | Power cord, 3-pin power cord (EU)                            |
| 1702031801       | Power cord, 3-pin power cord (UK)                            |
| 1700000237       | Power cord, 3-pin power cord with PSE (Japan)                |
| 1700000596       | Power cord, 3-pin power cord (CCC)                           |