

1ST-FDR-3355**Fanless DIN-Rail Industrial Mini PC**

with Intel® Celeron® J3355 Processor and 2x LAN and 2x Mini-PCIe



| | Items | Descriptions |
|-------------------|--------------------|---------------------------------------------------------------------------|
| Processor | CPU | Intel® Celeron® J3355 dual-core Processor formerly Apollo Lake (TDP 10 W) |
| | Frequency | 2 GHz, up to 2,5 GHz |
| | L2 Cache | 2 MB |
| | BIOS | AMI EFI 16Mbit |
| Memory | Architecture | DDR3L up to 1866 MT/s |
| | Capacity | Up to 8GB |
| | DIMM | 1x 204-pin SODIMM |
| Display | Display controller | Integrated graphics media accelerator Intel® HD Graphics 500 |
| | HDMI | Max resolution up to 4096×2160@30Hz |
| LAN | LAN1 | Intel® i210 Gbe LAN controller |
| | LAN2 | Intel® i210 Gbe LAN controller |
| | Extended LAN | 4x 1000Mbps RJ-45 |
| I/O | COM | 2x RS-232(RS-232/485 Optional) |
| | USB | 4x USB3.0/2.0/1.1 |
| | WatchDog | 0~255 seconds programmable |
| Expansion | Mini-PCIe | 2x Mini-PCIe one of them with SIM holder |
| | Antennas | 2 holes for SMA-antenna jacks |
| Storage Medium | SSD | 1x full size mSATA SSD |
| OS | Microsoft Windows | Windows 10 |
| | Linux | Ubuntu 17.10 and newer |
| Power | Type | AT |
| | Input voltage | 12-24VDC ±10% |
| | Minimum Input | 12V, 3A |
| | Adapter | Optional |
| Power Dissipation | No-load | 15 Watt |
| | Full-load | 31 Watt |
| Mechanism | Box structure | Aluminum alloy BOX |

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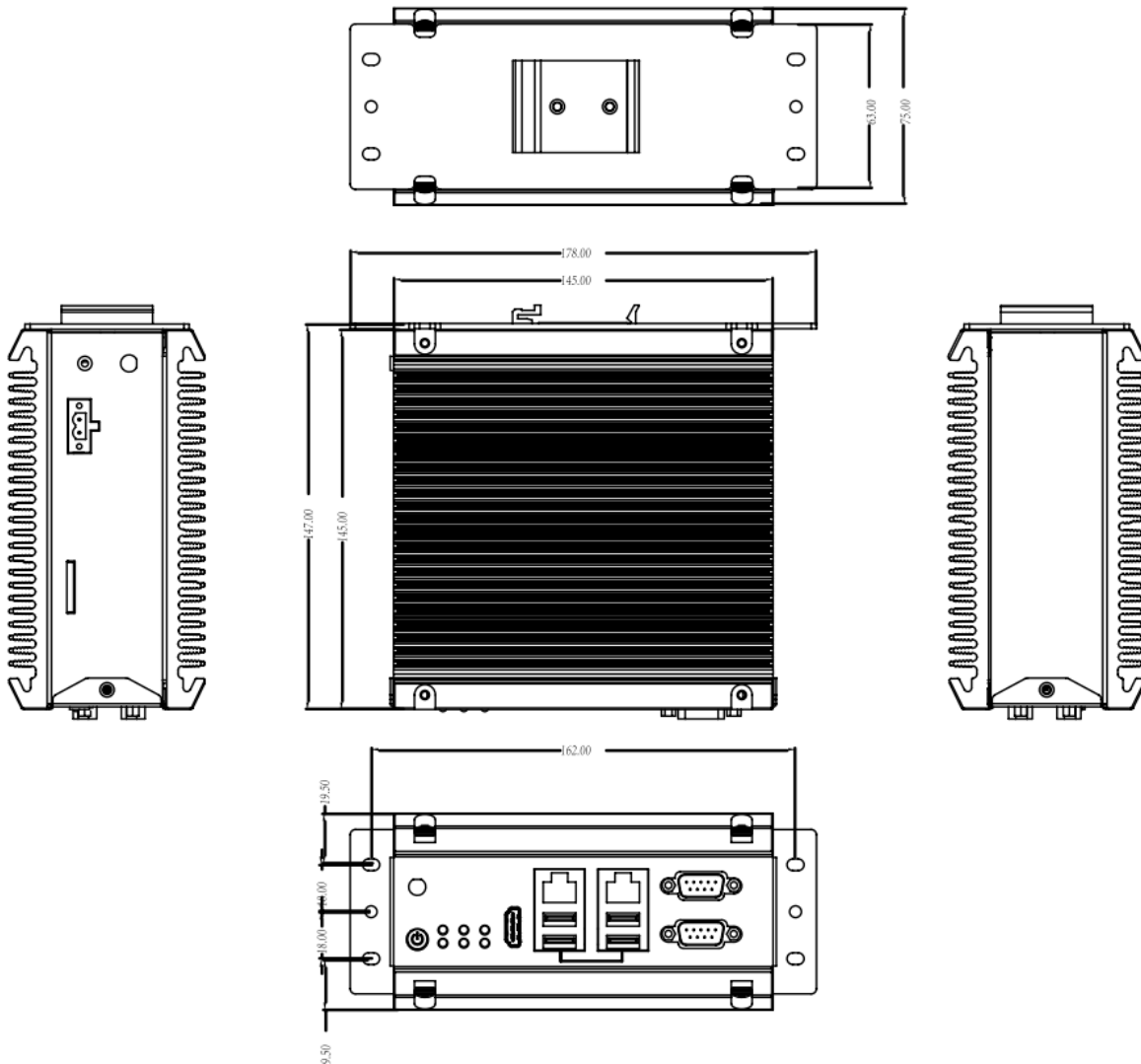
| | Items | Descriptions |
|--------------------------|-----------------------|----------------------------------------------------------------------|
| Parameters | Mounting | DIN-Rail or wall mount |
| | Dimensions (L*W*H) | 145mm x 145mm x 75mm (5.71" x 5.71" x 2.95") |
| Environmental Conditions | Operating Temperature | -20 ~ 60° C (-4 °F ~140 °F) (wide temperature SSD) |
| | | 0 ~ 45° C (32 °F ~113 °F) (normal temperature HDD/SSD) |
| | Storage Temperature | -40 ~ 80°C (-40 ~ 176 °F) |
| | Relative humidity | 5~95% (No condensation) |
| | Vibrations | SSD applied: 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| | Shock | SSD applied: 10 G, IEC 60068-2-64, Half-sine wave, 11ms duration |
| | EMC | CE/FCC Class A |
| Safety Certification | CCC | |

Packing List

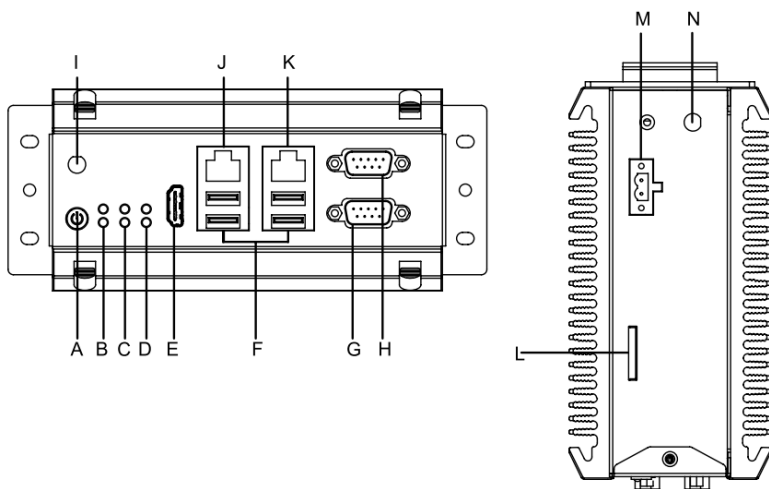
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|-------------------------------------------------------------------------|
| 1x 1ST-FDR-3355 system |
| 1x Support CD with Drivers |
| 1x DIN-rail fastener with screws |
| optional 1x 12V / 3,33A 40W DC Power Adapter with 2pin Phoenix terminal |

Dimensions:

Unit: mm



I/O:



Specifications:

- A: Power Switch
- B: POWER&HDD LED
- C: COM1 LED
- D: COM2 LED
- E: HDMI
- F: USB2.0/USB3.0
- G: COM2
- H: COM1
- I: WiFi
- J: LAN1
- K: LAN2

- L: SIM
- M: DC in 12~24V
- N: Standby WiFi

