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***Digital Signage System***

**IDS-300-BW**

# *Features*



* Fanless system with Intel® Celeron® N3160 processor
* Three HDMI ports
* Two full-size PCIe Mini slots for expansion
* Four USB 3.1 Gen 1 (5Gb/s) ports
* Two GbE LAN ports

PCIe Mini Expansion



HDMI



Fanless



Display

Triple

GbE

***USB***

USB 3.1

Gen 1

# *Specifications*

***Fully Integrated I/O***

## *Front View*

Power Switch Aduio



## *Rear View*



DC Input

Clear CMOS

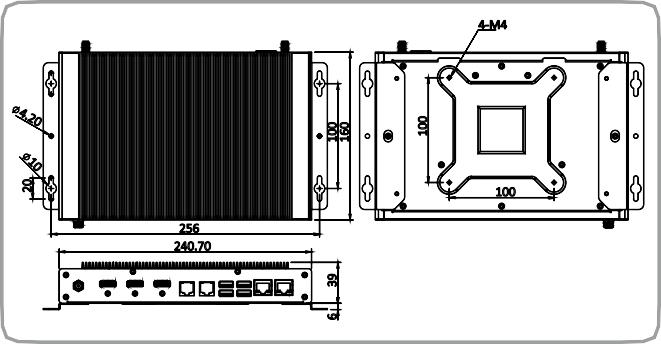
3 x HDMI

2 x RS-232

2 x LAN

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| --- | --- | --- |
| **Model Name** | | **IDS-300-BW** |
| **Chassis** | **Color** | Silver |
| **Dimensions (WxDxH) (mm)** | 241 x 160 x 39 |
| **System Fan** | Fanless |
| **Chassis Construction** | Aluminum alloys |
| **Motherboard** | **CPU** | Intel® Celeron® N3160  (up to 2.24GHz, quad-core, 2MB cache, TDP=6W) |
| **Chipset** | SoC |
| **System Memory** | 1 x 204-pin DDR3L SO-DIMM 4 GB pre-installed (system max: 8GB) |
| **Storage** | **Hard Drive** | 1 x 2.5'' SATA 6Gb/s HDD/SSD Bay |
| **I/O Interfaces** | **USB 3.1 Gen 1**  **(5Gb/s)** | 4 |
| **Ethernet** | 2 x RJ-45 PCIe GbE by RTL8111E controller |
| **COM Port** | 2 x RS-232 (RJ-45) |
| **Button** | 1 x Power button 1 x AT/ATX Switch |
| **Display** | 3 x HDMI |
| **Resolution** | HDMI 1&2 : up to 3840x2160 @ 30Hz HDMI 3 : up to 2560x1600 @ 60Hz |
| **Audio** | 1 x Line-in, 1 x Line-out, 1 x Mic-in |
| **Wireless** | 1x 802.11a/b/g/n/ac (optional) |
| **Expansions** | **PCIe Mini** | 1 x Full-size PCIe Mini 1 x Full-size PCIe Mini  (supports mSATA, colay with SATA) |
| **Power** | **Power Input** | DC Jack: 12 V DC |
| **Power Consumption** | 12 [V@2.48](mailto:V@2.48) A  (Intel® Celeron® N3160 with 4GB memory ) |
| **Reliability** | **Mounting** | Wall mount, VESA 100 |
| **Operating Temperature** | -10°C ~ 40°C with air flow (SSD), 10% ~ 95%, non-condensing |
| **Operating Shock** | Half-sine wave shock 5G, 11ms, 3 shocks per axis |
| **Operating Vibration** | MIL-STD-810F 514.5 C-1(HDD) |
| **Weight (Net/Gross)** | 1.8 kg/ 3kg |
| **Safety/EMC** | CE/FCC |
| **OS** | **Supported OS** | Microsoft® Windows® 8 Embedded, Microsoft® Windows® Embedded Standard 7 E |

***Dimensions (Unit: mm)***



4-M4

100

256

240.70

***IDS-300-BW***

20

100

160

100

# *Options*

AT/ATX Mode

4 x USB 3.1 Gen 1



IDS-300-BW-2019-V10

***Industrial System***

# *Ordering Information*

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|  |  |
| --- | --- |
| **Part No.** | **Description** |
| **EMB-WIFI-KIT01-R20** | 1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ ac WiFi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 250mm RF cable, 2 x Antenna, RoHS |
| **IDS-300-WES7E64-R10** | OS Image with Windows® Embedded Standard 7 E 64-bit for IDS-300, DVD-ROM, RoHS |
| **IDS-300-W10E64-E-R10** | OS Image with Windows 10 IoT Enterprise Entry 64-bit for IDS-300,W/DVD-ROM, RoHS |

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| --- | --- |
| **Part No.** | **Description** |
| **IDS-300-BW-N3/4G-R10** | Fanless embedded system with Intel® Celeron N3160 1.6GHz, (up to 2.24 GHz, Quad Core, TDP 6W), pre-installed 4GB DDR3L memory, 12V DC, triple HDMI display, RoHS |

***Packing List***

1 x Power Adapter

1 x Mounting Bracket