

OFP-07W33

7" WXGA PCAP Multi-Touch Fanless Open Frame Panel PC
with Intel® Celeron® Processor N3350/J3455



Features

- 7" WXGA open frame panel PC with PCAP touch
- Intel® Celeron® Processor N3350/J3455
- 1x 204-pin DDR3L 1866/1600/1333 MHz SO-DIMM supports up to 8GB
- 1x HDMI, 2x GbE LAN, 4x USB 3.2(Gen1x1, 5Gbps), 2x USB2.0 (pin header)
- 1x RS-232, 1x RS-232/422/485 (pin header)
- 1x Full size mini-PCIe support mSATA, 1x half size mini-PCIe for option WIFI/BT
- 1x 8bit GPIO (pin header)
- Slim & strength design
- Fanless operation from 0° ~ 45°C
- Wide voltage input +12 ~ 26Vdc



+12V ~ +26V



PCAP
multi-touch



Fanless



0°C ~ 45°C

Specifications

System Information

| | |
|--------------------|---|
| Processor | Intel® Celeron® Processor N3350/J3455 Intel® Celeron® Processor N3350, 2M Cache, up to 2.40 GHz Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz |
| System Memory | Default with 4GB DDR3L memory option supports up to 8GB DDR3L 1866/1600/1333 MHz SO-DIMM |
| I/O Chipset | EC iTE IT8528 |
| Watchdog Timer | H/W reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step |
| BIOS | AMI 128Mbit SPI BIOS |
| H/W Status Monitor | Monitoring system temperature and voltage with auto throttling control |
| SBC | ECM-APL2-B1 |
| CPU Cooler (Type) | Fanless heatsink |

Expansion

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|-----------|--|
| Expansion | 1 x Full size mini PCIe support mSATA 1 x Half size mini PCIe for option Wi-Fi/BT |
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Storage

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| Storage | Default with 64GB mSATA (support up to 512GB) |
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Display

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|--------------------|---|
| Spec. & Resolution | HDMI 1.4b: Max. Resolution 3840 x 2160 @ 30Hz |
|--------------------|---|

Audio

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|-------------|-----------------|
| Audio Codec | Realtek ALC888S |
|-------------|-----------------|

Ethernet

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|--------------------|------------------------------------|
| LAN Chipset | 2 x Intel® I211AT |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |

Power Requirement

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| DC Input | +12V ~ +26V |
| ACPI | Single power ATX support S0, S3, S4, S5 and ACPI 3.0 compliant |

Software Support

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| OS | Win10 / Ubuntu / Android 8.1 |
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Certification

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|---------------------------|------------------|
| Certification Information | CE / FCC Class A |
|---------------------------|------------------|

Panel

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|--------------------------|---|
| LCD Size | 7", 16:10 |
| Display Type | WXGA |
| Resolution | 1280 x 800 |
| Pixel Pitch | 0.03925mm (H) x 0.11775mm (V) |
| Luminance | 300 cd/m ² |
| Contrast Ratio | 900 |
| Viewing Angle | 89 (U), 89 (D), 89 (L), 89 (R) |
| Response Time | 30 ms |
| Backlight | LED |
| Touch Type | Projective capacitive multi-touch up to 10 points |
| Touch Light Transmission | 89% |
| Touch Controller | EETI |

External I/O

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|----------|---|
| USB | 4 x USB 3.2 (Gen1x1, 5Gbps) 2 x USB 2.0 (option by pin header) |
| LAN Port | 2 x RJ-45 |
| COM Port | 1 x RS-232 1 x RS-232/422/485 option by pin header |

Internal I/O

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|-----|---------------------------------|
| DIO | 8-bit GPIO option by pin header |
|-----|---------------------------------|

System Control

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|---------------|--------------------|
| LED Indicator | HDD LED, power LED |
|---------------|--------------------|

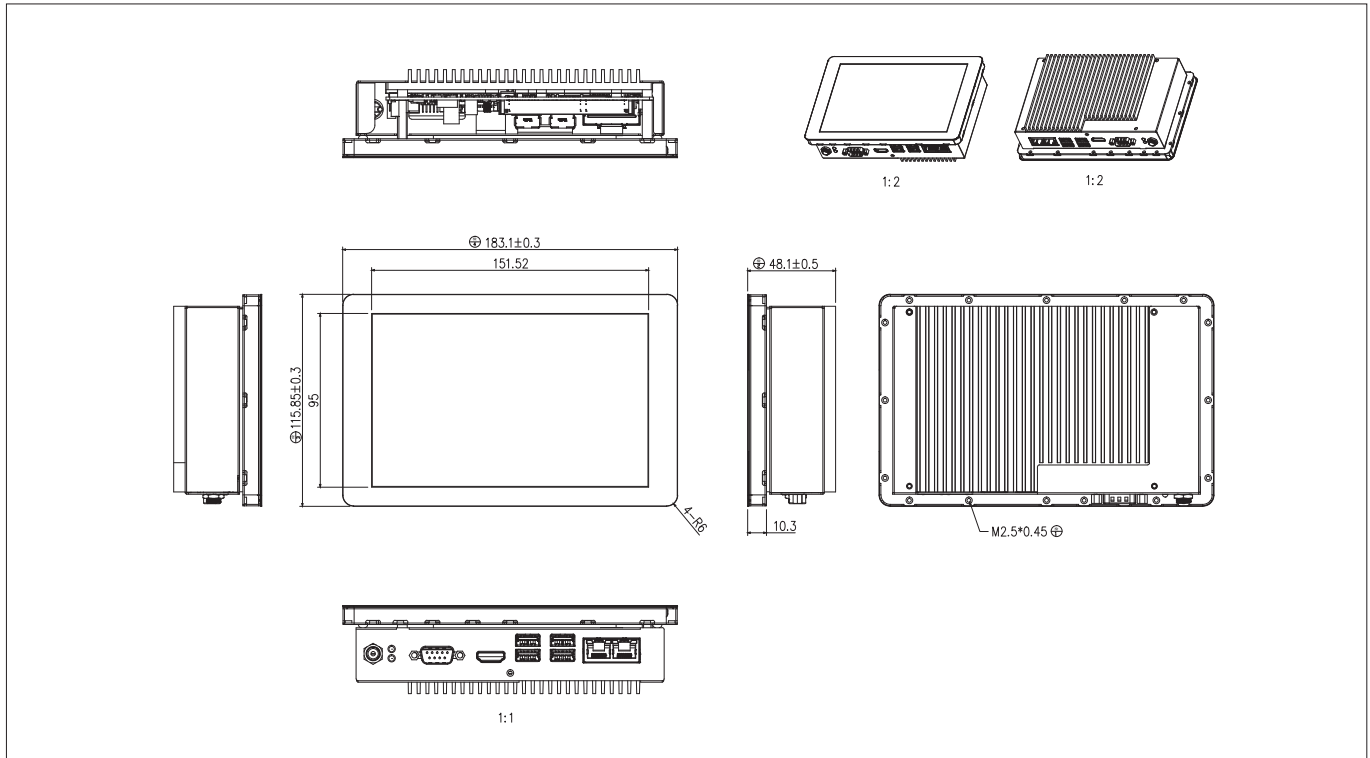
Mechanical & Environmental

| | |
|-----------------------|--|
| Operating Temp. | 0°C ~ 45°C |
| Storage Temp. | -10°C ~ 50°C (14°F ~ 122°F) |
| Operating Humidity | 40°C @ 95% Relative humidity, non-condensing |
| Dimension (W x L x H) | 183.1 x 115.85 x 48.1mm |
| Weight | 700 g |
| Vibration Test | With mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 0.5hr/axis |
| Shock Test | Operating with mSATA : IEC 60068-2-27 testing procedures, 10G for operation mode |
| Drop Test | ISTA 2A, IEC-60068-2-32 Test:Ed |
| Mounting Kit | Wall / Stand / VESA 75mm x 75mm |
| Power Mode | AT/ATX (ATX is default) |
| System Fan | Fanless |

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Mechanical Drawing



Ordering Information

| P/N | Touch Type | Processor | Memory | Storage | Resolution | Luminance | COM | USB | LAN | Power Input | Operating Temp. | OS Support |
|-------------------|------------|-----------|--|-------------------------|------------|-----------|-----|-----|-----|-------------|-----------------|------------------------------|
| OFP-07W33-345-A1R | PCAP | J3455 | Default with 4GB DDR3L memory option supports up to 8GB DDR3L 1866/1600/1333 MHz SO-DIMM | Default with 64GB mSATA | 1280 x 800 | 300 | 1 | 4 | 2 | +12V ~ +26V | 0°C ~ 45°C | Win10 / Ubuntu / Android 8.1 |
| OFP-07W33-335-A1R | PCAP | N3350 | Default with 4GB DDR3L memory option supports up to 8GB DDR3L 1866/1600/1333 MHz SO-DIMM | Default with 64GB mSATA | 1280 x 800 | 300 | 1 | 4 | 2 | +12V ~ +26V | 0°C ~ 45°C | Win10 / Ubuntu / Android 8.1 |

I/O Overview



Optional Items

| Item | P/N |
|--|--------------------|
| AC/DC adapter 12V/5A 90 degree Screw Type | ACC-ADP-060N-08R |
| USA Power Cord | E1702031833R |
| EU Power Cord | E1702031000R |
| Japan Power Cord | E1702031834R |
| UK Power Cord | E1702031830R |
| Australia Power Cord | E1702031831R |
| System Dust Cover kit with Panel Mount kit | ACC-OFP-07-SDC-01R |
| Panel Mount Kit | ACC-OFT-07-PMT-01R |
| mPCIe WIFI-Kit (Half-card) | ACC-OFP-WIFI-02R |