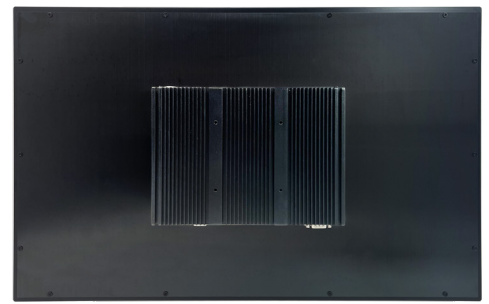
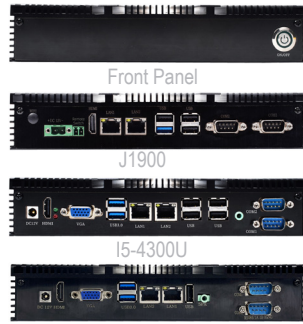


IPPC-104V2-2L6C-23W



- Projected capacitive (default) or resistive (by request) touchscreen, also available for non-touch screen;
- Ultra-thin design, overall thickness is under 60mm;
- Narrow bezel design bring the more compact overall size;
- Aluminum alloy cooling backshell, sealed and fanless system design, dustproof, anti-vibration and anti-interference;
- Support a variety of interface customization.



I5-6200U, J4125

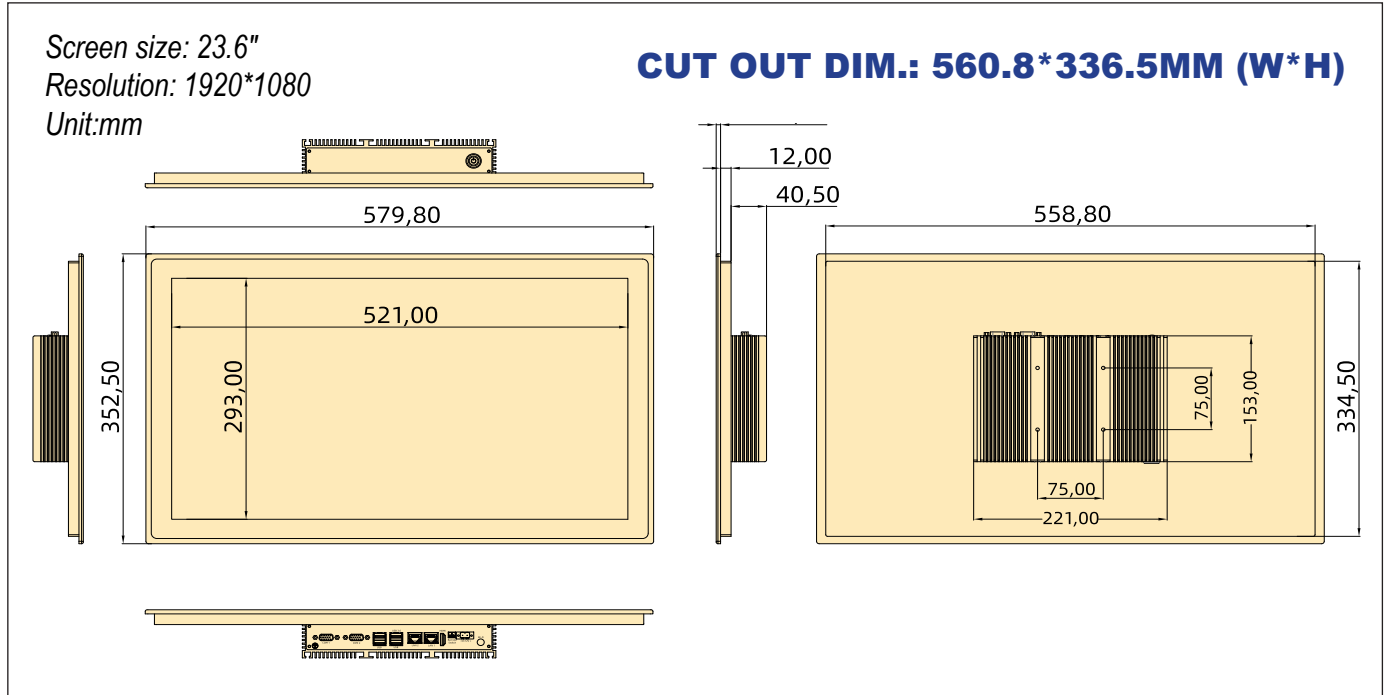
The actual appearance is subject to the final configuration

Specifications

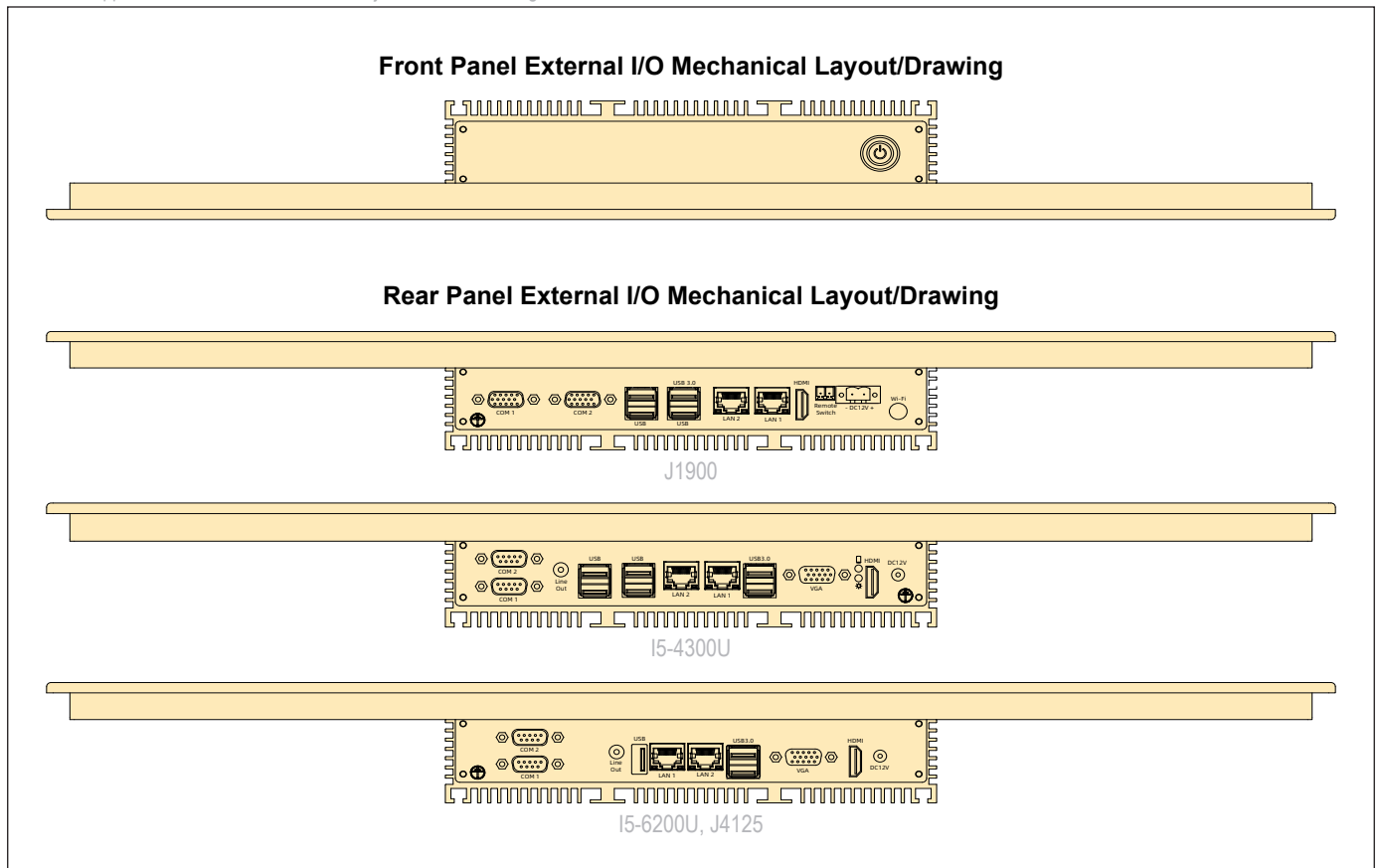
| LCD Display | | Touchscreen | | | |
|----------------|----------------------------------|--------------------|----------------------|-----------------|--|
| Display Type | 23.6" TFT LCD (LED backlight) | Touchscreen Type | Projected Capacitive | Non-Touchscreen | |
| Resolution | 1920*1080 | Touchscreen Method | Ten point | - | |
| Luminance | 250 cd/m2 (Typ.) | Surface | 6H | 6H | |
| Viewing Angle | 89/89/89/89 (Typ.)(CR>=10) | Durability | - | - | |
| Contrast Ratio | 3000 : 1 (Typ.) (Transmission) | Transparency | 85± 3% | > 88% | |

| System | | | | | |
|--------------------------|-------------------------------|--|---|---|---|
| CPU | Model | Intel® Celeron® J1900 | Intel® Core™ I5-4300U | Intel® Core™ I5-6200U | Intel® Celeron® J4125 |
| RAM | Type&Qty | 1* SO-DIMM Socket | 1* SO-DIMM Socket | 1* SO-DIMM Socket | 1* SO-DIMM Socket |
| | Frequency | DDR3L-1333 MHz | DDR3L-1333/1600 MHz | DDR4 2133 MHz | DDR4 2400 MHz |
| | Capacity | Up to 8GB | Up to 8GB | Up to 32GB | Up to 8GB |
| Storage | MSATA | 1* mSATA2.0 slot on board (3Gb/s) | 1* mSATA3.0 slot on board (6Gb/s) | | |
| Supported OS | Windows & Linux | Win 7, Win 8, Win 10, WES 7; Win 10 IoT, Ubuntu, Debian, Kali, CentOS, etc.) | | | |
| I/O INTERFACE | COM | 2* RS232/485 (COM1-2, DB9) 4* RS232 (COM3-6, Header) | 1* RS232/422/485 (COM2) 1* RS232/485 (COM3) 4* RS232 (COM1/4/5/6) All headers | 2* RS232/485 (COM1/3) 4* RS232 (COM2/4/5/6) All headers | 2* RS232/422/485 (COM2/3) 4* RS232 (COM1/4/5/6) All headers |
| | Ethernet | 2* Realtek 8111H GbE LAN | 2* Intel® i211 GbE LAN | 2* Intel® i211 GbE LAN | 2* Realtek 8111H GbE LAN |
| | USB | 3* USB2.0, 1* USB3.0 5* USB2.0 Headers | 4* USB2.0, 2* USB3.0 2* USB2.0 Headers | 1* USB2.0, 2* USB3.0 4* USB2.0 Headers | 1* USB2.0, 2* USB3.0 4* USB2.0 Headers |
| | Video | 1* HDMI, 1920x1200@60Hz 1* VGA header | 1* HDMI, 3280x2000@60Hz 1* VGA, 1920x1200@60Hz | 1* HDMI, 4096x2304@24Hz 1* VGA, 1920x1200@60Hz | 1* HDMI, 4096x2160@30Hz 1* VGA, 1920x1200@60Hz |
| | Audio | 1*SPK header; With 5.1 channels HD Audio Codec Realtek ALC662 | 1* SPK; With 5.1 channels HD Audio Codec Realtek ALC662 | 1* SPK; With 2 channels USB Audio Codec HS-100B | 1* SPK; With 5.1 channels HD Audio Codec Realtek ALC662 |
| | SIM | 1* Built-in SIM card slot connected to Mini-PCIe | | | |
| | Power Supply | 12V DC; 1* Terminal Block (2-Pin, 5.08mm); | 12V DC; 1* DC Jack (5.5* 2.5mm); Optional 9-30V DC PWR module with Terminal Block (2-Pin, 5.08mm) | | |
| | Other | 1* 8-bit GPIO header; 1* Remote Switch Terminal (2-Pin, 3.81mm) | 1* 8-bit GPIO header; Optional: 1* Terminal Block (4-Pin, 3.81mm Pitch) with Remote Switch and Power Indicator | | |
| Extended Capabilities | Additional Internal Interface | 1* Full Size Mini-PCIe with SIM card slot (PCIe+USB2.0) | | | |
| Environment | Operating Temperature | Non-Touch: 0~50°C; Capacitive: -20~60°C; (w/ 0.7m/s Airflow) | | | |
| | Storage Temperature | Non-Touch: 0 ~ 50°C; Capacitive: -20 ~ 60°C | | | |
| | Relative Humidity | 40 °C @ 95%, Non-Condensing | | | |
| Physical Characteristics | Dimensions | 579.8*352.5*57.5 mm | | | |
| | Net Weight | Around 6.75kg (The final weight is subject to actual ordering configuration) | | | |
| Regulation | EMC | CE/FCC Class B, CCC | | | |
| | Safety | CE-LVD, RoHS, CCC | | | |

Dimension Drawings



The actual appearance and dimensions are subject to the final configuration



Processors Information

| CPU | Code Name | Total Cores | Total Threads | Max Turbo Frequency | Base Frequency | Cache | TDP | Memory Types | Integrated Graphics |
|-----------------------|-------------|-------------|---------------|---------------------|----------------|-------------------------|-----|--------------|-------------------------|
| Intel® Celeron® J1900 | Bay Trail | 4 | 4 | - | 2.00 GHz | 2 MB L2 Cache | 10W | DDR3 | Intel® HD Graphics |
| Intel® Core™ I5-4300U | Haswell | 2 | 4 | 2.90 GHz | 1.90 GHz | 3 MB Intel® Smart Cache | 15W | DDR3 | Intel® HD Graphics 4400 |
| Intel® Core™ I5-6200U | Skylake | 2 | 4 | 2.80 GHz | 2.30 GHz | 3 MB Intel® Smart Cache | 15W | DDR4 | Intel® HD Graphics 4400 |
| Intel® Celeron® J4125 | Gemini Lake | 4 | 4 | - | 2.00 GHz | 4 MB | 10W | DDR4 | Intel® UHD Graphics 600 |

All products and company name listed are trademarks or trade names of their respective companies.

Ordering Information

| CPU | SO-DIMM Socket | mSATA | Mini PCIe | COM Interface | GbE LAN | USB 2.0 | USB 3.0 | Internal USB 2.0 Headers | HDMI | VGA | SPK | SIM Card Slot | 8-bit GPIO Header | Power Supply |
|-----------------------|----------------|-------|-----------|---------------|---------|---------|---------|--------------------------|------|-----------|-----|---------------|-------------------|--------------|
| Intel® Celeron® J1900 | 1*DDR3L | 1 | 1 | 6 | 2 | 3 | 1 | 5 | 1 | 1* Header | - | 1 | 1 | DC 12V |
| Intel® Core™ I5-4300U | 1*DDR3L | 1 | 1 | 6 | 2 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | DC 12V |
| Intel® Core™ I5-6200U | 1*DDR4 | 1 | 1 | 6 | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | DC 12V |
| Intel® Celeron® J4125 | 1*DDR4 | 1 | 1 | 6 | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | DC 12V |

!! Note: Custom available for this unit, the actual data is subject to the final configuration

| Model | Aspect Ratio | Screen Size | Touch Function Support | Resolution (H*V) | Brightness (Typ.) | Viewing Angle (Typ.) (CR>=10) | Cutout Dimension (W*H) | Device Dimension (W*H*D) | N.W. | Operating Temp./ Storage Temp. |
|------------------------|--------------|-------------|------------------------|------------------|-----------------------|-------------------------------|------------------------|--------------------------|---------|--------------------------------|
| IPPC-104V2-2L6C-23W-NT | 16:9 | 23.6" | Non-Touch | 1920*1080 | 250 cd/m ² | 89/89/89/89 | 560.8*336.5 mm | 579.8*352.5*57.5 mm | 6.75 kg | 0~50°C/ -20 ~ 60°C |
| IPPC-104V2-2L6C-23W-CT | 16:9 | 23.6" | Capacitive Touch | 1920*1080 | 250 cd/m ² | 89/89/89/89 | 560.8*336.5 mm | 579.8*352.5*57.5 mm | 6.75 kg | 0~50°C/ -20 ~ 60°C |

Packing list

| Default Items | Qty |
|--------------------------|-----|
| IPPC-104V2-2L6C-23W Unit | 1 |
| AC-to-DC Adapter | 1 |
| Power cable 3-pin 150cm | 1 |
| Embedded mount kit | 1 |

Options for default items

| Optional Items | Qty |
|-----------------------------------|-----|
| Power cable 3-pin 150cm, USA type | - |
| Power cable 3-pin 150cm, EU type | - |
| Power cable 3-pin 150cm, UK type | - |
| VESA mount kits | - |

Optional accessories or internal modules for unit

| Optional Items | Max Qty | Description |
|------------------------------|---------|---|
| DC9-30V TO DC 12V PWR module | 1 | Phoenix Terminal connector, Power supply voltage conversion module, connected by header |
| Isolated 8-bit GPIO, 9-26V | 1 | Phoenix Terminal connector, connected by jumper |
| Isolated RS-232 | 6 | DB9 or Phoenix Terminal connector, connected by header |
| Isolated 8-bit GPIO, 9-24V | 1 | Phoenix Terminal connector, connected by header |
| 4G Module | 1 | Connected by Mini-PCIe interface |
| WiFi Module without AP mode | 1 | Connected by Mini-PCIe interface |
| WiFi Module with AP mode | 1 | Connected by Mini-PCIe interface |

!! Note: As this product has expansion slots, please consult sales for the specific maximum number of expandable interfaces.