

# LPC-P156W-20

15.6" P-cap Panel PC with Celeron®  
N3160, IP65 / 66 Bezel-Free and Wide  
Range Power Input

## Features

- ▶ Celeron® N3160 Quad Core 1.6 GHz
- ▶ IP65 / 66 Front Panel
- ▶ Bezel-Free Design
- ▶ 15.6" P-cap Flat Bezel
- ▶ Fanless Design
- ▶ Marine IEC-60945 certificated
- ▶ DC 9~36V Wide Range Power Input
- ▶ 1920\*1080 Resolution
- ▶ 450 nits LED Backlight
- ▶ Optional 1000 nits LED Backlight
- ▶ Lockable HDD Tray



## System

|                   |                                  |
|-------------------|----------------------------------|
| Processor         | Intel Celeron® N3160 SoC CPU     |
| System Memory     | DDR3L SO-DIMM, up to 8 GB        |
| External I/O Port | 4 x USB 3.0                      |
|                   | 2 x GbE LAN (RTL8111G)           |
|                   | 1 x Display Port                 |
|                   | 1 x HDMI                         |
|                   | 3 x RS-232                       |
|                   | 1 x RS-232/422/485 (COM1)        |
|                   | 1 x Audio                        |
|                   | 1 x Power press button           |
|                   | 1 x 3-Pin Power Input            |
|                   | 1 x Lockable HDD Tray            |
| Storage           | 1 x SATA3 (6.0Gb/s)              |
|                   | 1 x mSATA (full size mini-PCIe)  |
| Operating System  | Win 7 Pro/ WES7 / Win 8 / Win 10 |
| Expansion         | 2 x MiniPCIe Slot                |

## LCD

|                    |               |
|--------------------|---------------|
| Display Type       | 15.6" TFT LCD |
| Max. Resolution    | 1920*1080     |
| Max. Color         | 16.7M         |
| Luminance          | 450 nits      |
| View Angle         | 85/85/85/85   |
| Backlight Lifetime | 30,000 hours  |

## Environment

|                |                                    |
|----------------|------------------------------------|
| Operating Temp | -30~70 °C , IEC-60068-2-1/2/14     |
| Storage Temp   | -30~70 °C                          |
| Humidity       | 10~90% @40 °C, non-condensing      |
| EMC            | FCC / CE Class A Certification     |
|                | CE Class B Compliant               |
| Vibration      | 1.5 Grms @10~500Hz, IEC-60068-2-64 |

## Power Requirement

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| Power Input | 3-Pin Power Input Terminal Block<br>DC 9~36V Wide Range Power<br>Input |
|-------------|------------------------------------------------------------------------|

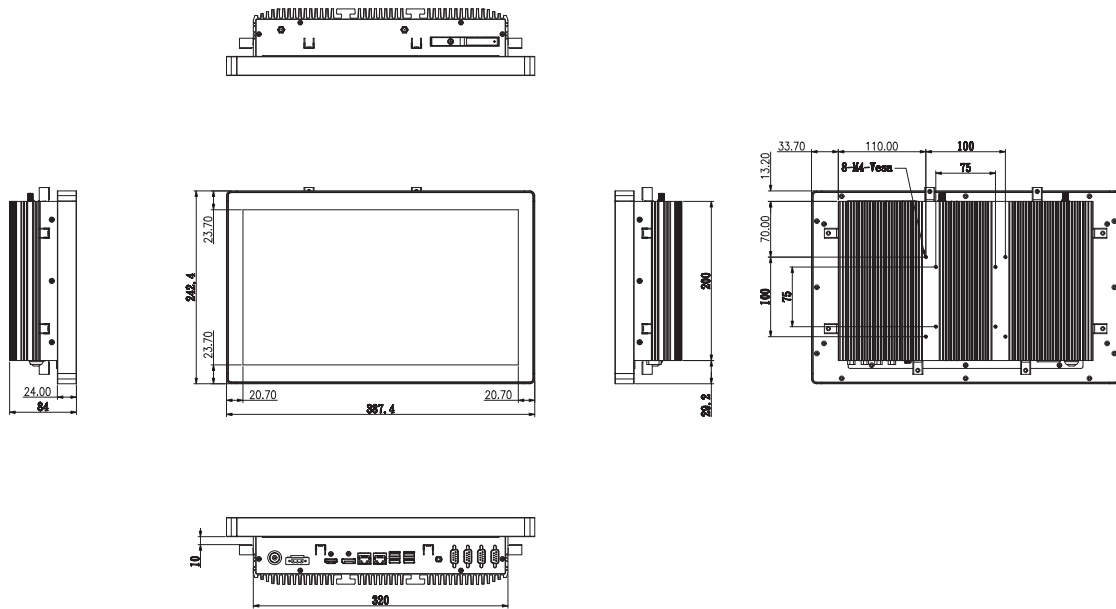
## Touch Screen

|      |                           |
|------|---------------------------|
| Type | 15.6" P-cap USB interface |
|------|---------------------------|

## Mechanical

|              |                                   |
|--------------|-----------------------------------|
| Construction | Aluminum Front Bezel and Case     |
| IP Rating    | Front Panel IP65 / IP66 Compliant |
| Mounting     | VESA / Panel Mount                |
| Dimension    | 387.4 x 242.4 x 84                |

## Dimension & I/O Connector



### Ordering Information

|                |                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| LPC-P156W-20   | 15.6" P-cap Panel PC, Celeron® N3160, 1920 x 1080 Resolution, 450 nits, DC9~36V Power Input, including a 3-Pin Power Adapter (12V/7.5A) |
| WFK-024        | WiFi kits w/ cable & Antenna (2.4GHz, 802.11 b/g/n, 1T1R)                                                                               |
| WFK-524        | WiFi kits w/ cable & Antenna (2.4 & 5GHz, 802.11 a/b/g/n/ac + BT, 2T2R)                                                                 |
| 04-US-26-00002 | 120 W / 24V power adapter with 3 pin terminal block (For High Brightness Model)                                                         |

### Ordering Code

|              |                                |
|--------------|--------------------------------|
| LPC-P156W-20 | -H / -OB / -G / -AG / -AR / -V |
|--------------|--------------------------------|

H = High Brightness 1000 nits LED backlight

OB = Optical Bonding

G = Glass without touch

AG = Anti-Glare

AR = Anti-Reflection

B = Power Board for Input on board fuse / Input reverse protection / Over current protection / Output short circuit protection

V = Vandal Proof Glass (By Project)