

## Panel PC - BL2 PPC 2000 - 2404846

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IP65-rated, fanless industrial panel PC (PPC) with resistive touch screen, energy-efficient Intel® Pentium® quad-core processor N4200 with 8 GB of RAM, M.2 mass storage, open mini PCIe, and optional wireless connectivity.



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 1.000 g  |
| Custom tariff number                 | 84715000 |
| Country of origin                    | Taiwan   |

### Technical data

#### Note

|                         |   |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

#### Display

|                        |   |
|------------------------|---|
| Display type           | 30.7 cm/12.1" TFT                           |
|                        | 38.1 cm/15" TFT                             |
|                        | 43.0 cm/17" TFT                             |
| Screen resolution      | 1280 x 1024 Pixel(s) (SXGA), 17"-TFT        |
|                        | 1024 x 768 Pixel(s) (XGA), 12.1"- / 15"-TFT |
| Touch technology       | analog resistive (polyester)                |
| Brightness             | Dependent on configuration                  |
| Backlighting           | LED   |
| Display backlight MTBF | 50000 h                                     |
| Colors                 | Dependent on configuration                  |

#### Computer data

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## Technical data

### Computer data

|                         |   |
|-------------------------|---|
| Processor               | Intel® Pentium® N4200 1.10/2.50 GHz                           |
| Cooling                 | passive   |
| Operating system        | without operating system                                      |
|                         | Windows® 10 IoT Enterprise LTSC 2016 (64-bit), Multi-language |
| RAM                     | 8 GB DDR3 SODIMM  |
| Mass storage            | without mass storage  |
|                         | M.2 SSD, 128 GB   |
| Network                 | 2x Ethernet (10/100/1000 Mbps), RJ45                          |
| Interfaces              | 1x COM (RS-232/422/485)                                       |
|                         | 2x COM (RS-232)   |
|                         | 2x USB 2.0  |
|                         | 2x USB 3.0  |
| Monitor output          | 2x DisplayPort  |
| Optical drive           | None  |
| Realtime clock          | Yes (battery-backed)  |
| Service life of battery | 5 years (typical)   |

### General

|               |                    |
|---------------|--------------------|
| Note          | 4.46 to 4.51       |
| Mounting type | Front installation |

### Ambient conditions

|  |  |
|--|--|
| Degree of protection                     | IP65 (front), IP20 (back)                    |
| Ambient temperature (operation)          | 0 °C ... 50 °C                               |
| Ambient temperature (storage/transport)  | -40 °C ... 70 °C                             |
| Permissible humidity (operation)         | 5 % ... 95 % (non-condensing)                |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing)                |
| Vibration (operation)                    | DIN EN 60068-2-6                             |
| Shock                                    | 15g, 11 ms in accordance with IEC 60068-2-27 |

### Device supply

|                   |               |
|-------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
|-------------------|---------------|

### Standards and Regulations

|                       |  |
|-----------------------|--|
| Shock                 | 15g, 11 ms in accordance with IEC 60068-2-27 |
| Vibration (operation) | DIN EN 60068-2-6                             |
| UL, USA/Canada        | UL 61010-2-201                               |

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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## Technical data

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 10;   |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 19200103 |
| eCl@ss 11.0   | 19200103 |
| eCl@ss 5.0    | 27330200 |
| eCl@ss 5.1    | 27330200 |
| eCl@ss 6.0    | 27242300 |
| eCl@ss 7.0    | 27242301 |
| eCl@ss 9.0    | 19200103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001414 |
| ETIM 6.0 | EC001414 |
| ETIM 7.0 | EC001414 |

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / EAC-RoHS / EAC / cULus Listed

#### Ex Approvals

### Approval details

|           |  |   |               |
|-----------|--|---|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|-----------|--|---|---------------|

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## Approvals

|            |  |   |               |
|------------|--|---|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|------------|--|---|---------------|

|          |  |  |                         |
|----------|--|--|-------------------------|
| EAC-RoHS |  |  | RU*<br>DE*HB.B.00386/20 |
|----------|--|--|-------------------------|

|     |  |  |                         |
|-----|--|--|-------------------------|
| EAC |  |  | RU C-<br>DE.A*08.B01708 |
|-----|--|--|-------------------------|

|              |  |  |  |
|--------------|--|--|--|
| cULus Listed |  |  |  |
|--------------|--|--|--|

## Accessories

### Accessories

#### Adapter cable

Adapter - DP TO VGA ADPTR - 2400173

DisplayPort to VGA video adapter



Adapter - DP TO DVI ADPTR - 2400174

DisplayPort to DVI-i video adapter



#### Data front plate

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### Accessories

Data interface - SI-SES-U1A/0,6 - 1404514



Service socket with USB (socket/plug), type A with 0.6 m cable

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### Mounting material

Mounting brackets - BL2 MOUNTING BLOCK KIT - 1005870

Mounting block kit for BL2 PPC 1000/2000/7000/9000

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### Operating stylus

Touch pen - TOUCH PEN - 2701379



Touch pen for analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

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### Programming cable

Connecting cable - VL 2.0M DP CABLE - 2404774



DisplayPort (DP) cable (2 m) for use with industrial computers

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### Storage medium

Memory - 30 GB M.2 MLC SSD KIT - 2404866



30 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products

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### Accessories

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Memory - 60 GB M.2 MLC SSD KIT - 2404867



60 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products

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Memory - 120 GB M.2 MLC SSD KIT - 2404868



120 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products

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Memory - 240 GB M.2 MLC SSD KIT - 2404869



240 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products

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