

BL PPC12 1000 - Panel PC



2701336

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IP65-rated, fanless, 12-inch industrial panel PC (PPC) including resistive touch screen with LED backlight. Energy-efficient Intel® Atom™ processor with 2 GB RAM. Ready for installation of mass storage device.

Product description

The Basicline PPC12 1000 is a 12-inch panel PC with a vibrant LED backlit display. The Intel® Atom™ 1.66 GHz N455 processor offers a seamless balance of processing power and energy efficiency. A fanless design and rich I/O capability make the BL PPC 1000 an industrial panel PC that can be used in a wide variety of applications. The three built-in COM ports enable connection to legacy RS-232 devices. One COM port can also be configured for RS-422 or RS-485 protocols.

Your advantages

- Fanless design
- 3 COM ports
- Embedded operating system support only
- LCD display with resistive touch screen
- IP65 degree of protection (front) IP20 rating (back)
- Energy-efficient Intel® ATOM™ processors

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2701336 |
| Packing unit | 2 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR12 |
| Product key | DRBABB |
| GTIN | 4046356773102 |
| Weight per piece (including packing) | 4,318 g |
| Weight per piece (excluding packing) | 4,318 g |
| Customs tariff number | 84714100 |
| Country of origin | TW |

Technical data

Notes

Utilization restriction

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

Product properties

| | |
|--------------|----------|
| Product type | Panel PC |
|--------------|----------|

Computer data

| | |
|---------------------|----------------------------|
| Processor | Intel® Atom™ N455 1.66 GHz |
| Operating system | without operating system |
| RAM | 2 GB DDR3 SODIMM |
| Data storage system | without data storage |
| Cooling | passive |
| Slots | without slots |
| Optical drive | without drive |

Display

| | |
|-----------------------|--|
| Display type | 30.7 cm / 12.1"-TFT |
| Screen resolution | 800 x 600 Pixel(s) (SVGA) |
| Touch technology | analog resistive (polyester) |
| Display lighting type | LED |
| Brightness | 350 cd/m ² , typical (adjustable) |
| MTBF | > 50000 h |
| Color spectrum | 16.2 million colors |

Electrical properties

| | |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

Supply

| | |
|----------------------|-------------------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC ... 28.8 V DC |
| Power supply unit | 24 V DC ±20 % |

Real-time clock

| | |
|----------------|----------------------|
| Realtime clock | Yes (battery-backed) |
|----------------|----------------------|

Supply

| | |
|-------------------|-------------|
| Power consumption | typ. 12.5 W |
|-------------------|-------------|

Connection data

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|-----------------------------------|---|
| Connection method | COMBICON |
| Conductor cross-section, rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible | 0.2 mm ² ... 2.5 mm ² |

| | |
|-----------------------------|-----------|
| Conductor cross-section AWG | 24 ... 12 |
|-----------------------------|-----------|

Interfaces

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|-------------|--------------------------------------|
| Interfaces | 4x USB 2.0 |
| | 1x COM (RS-232/422/485) |
| | 2x COM (RS-232) |
| Network | 2x Ethernet (10/100/1000 Mbps), RJ45 |
| LAN chipset | Realtek® 8111D PCI-E |
| Bus system | without bus system |

Dimensions

| | |
|--------|--------|
| Width | 365 mm |
| Height | 282 mm |
| Depth | 55 mm |

External dimensions

| | |
|------------------------|-------------------------|
| Width / Height / Depth | 365 mm / 282 mm / 55 mm |
|------------------------|-------------------------|

Installation dimensions

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|-------------------------------------|---|
| Width / Height / Installation depth | 334 mm / 253 mm / (Installation cutout) |
|-------------------------------------|---|

Environmental and real-life conditions

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) |
| Shock | 15g, 11 ms in accordance with IEC 60068-2-27 |
| Vibration (operation) | DIN EN 60068-2-6 |

Mounting

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|---------------|--------------|
| Mounting type | Panel cutout |
|---------------|--------------|

Environmental product compliance

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

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|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
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