

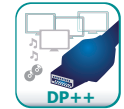


BPC420-BW

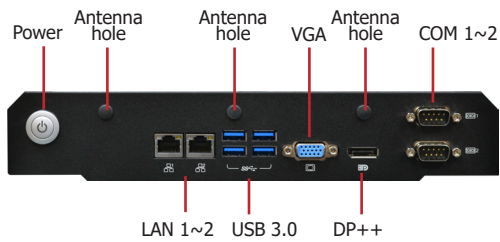


Features

- 42" 1920x480 TFT LCD Bar Type Panel PC
- 700/1500 nits brightness
- Dual display outputs: VGA + DP++
- VESA mount (400x200)
- Rich I/O: 2 LAN, 2 COM, 4 USB 3.0



Panel

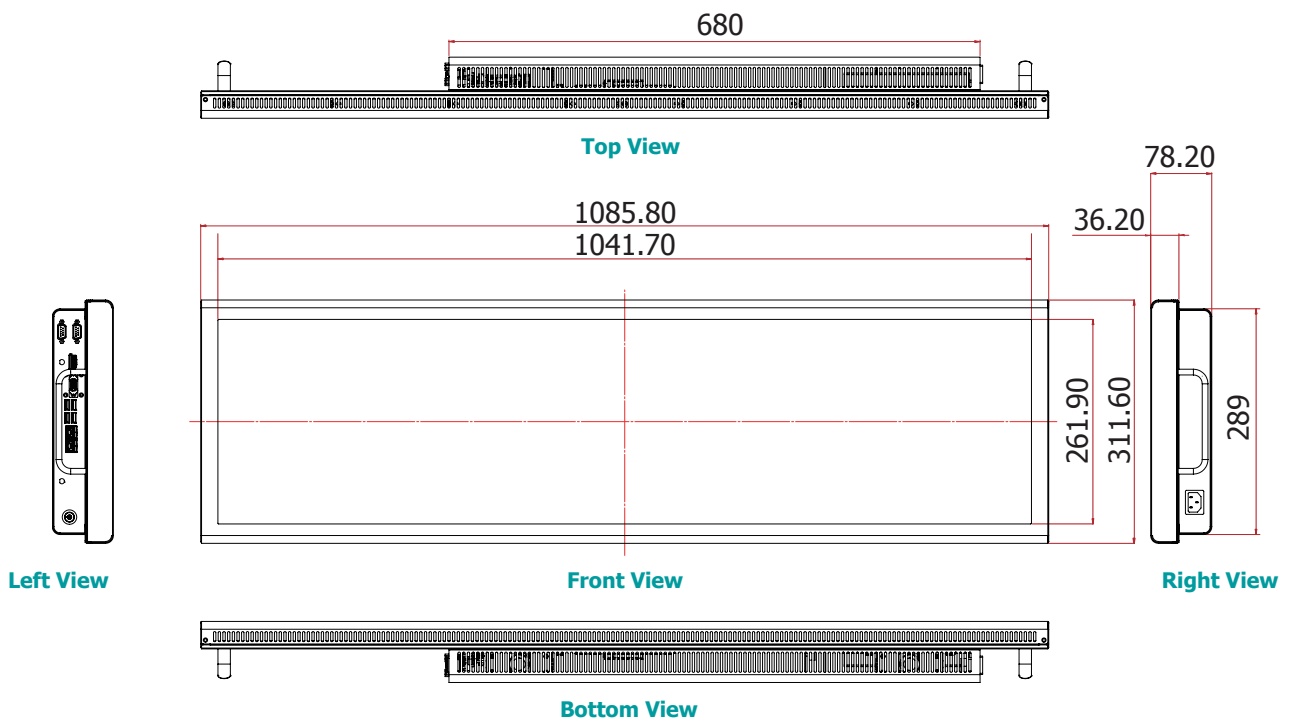


Left View



Right View

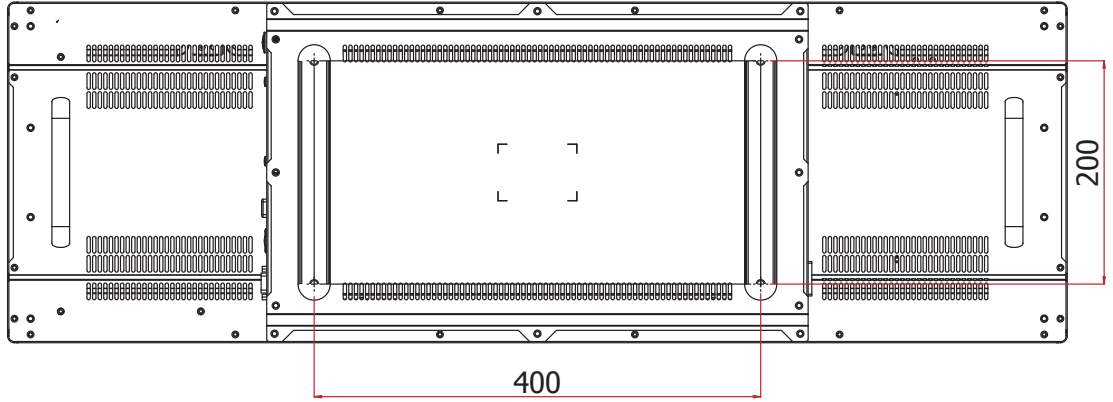
Dimensions



Specifications

| | | |
|-------------------------------------|-------------------------------|---|
| SYSTEM | Processor | Intel® Pentium®/Celeron® Processor N3000 Family, BGA 1170 Intel® Pentium® Processor N3710, Quad Core, 2M Cache, 1.6GHz (2.56GHz), 6W |
| | Memory | One 204-pin SODIMM up to 8GB Single Channel DDR3L 1600MHz (4GB DDR3L memory by default) |
| | BIOS | Insyde SPI 64Mbit |
| DISPLAY AND TOUCH SCREEN | Display | 42" 1920x480 TFT LCD Panel |
| | Brightness | 700 cd/m ² (1500 cd/m ² available upon request) |
| | Contrast | 4000:1 |
| | Backlight Lifetime | 50,000 hours |
| GRAPHICS | Controller | Intel® HD Graphics |
| | Feature | OpenGL 4.2, Direct X 11.1, OpenCL 1.2, OGL ES 3.0 HW Decode: H.264, MPEG2, VC1, VP8, H.265, MPEG4 HW Encode: H.264, MPEG2, MPEG4 |
| | Display | 1 x VGA 1 x DP++ VGA: resolution up to 2560X1600 @ 60Hz DP: resolution up to 3840x2160 @ 30Hz or 2560x1600 @ 60Hz |
| | Single Display | VGA + DP++ |
| STORAGE | | 1 x Full-size Mini PCIe (mSATA) 1 x SATA-DOM (available upon request) |
| EXPANSION | Interface | 1 x Half-size Mini PCIe (PCIe/USB) 1 x Full-size mSATA (USB/SATA) 1 x SIM (available upon request) |
| AUDIO | Audio Codec | Realtek ALC888S-VD2-GR |
| ETHERNET | Controller | 2 x Intel® I211AT PCIe (10/100/1000Mbps) |
| LED | Indicators | 1 x Power LED |
| BOTTOM I/O | Ethernet | 2 x GbE (RJ-45) (10/100/1000Mbps) |
| | Serial | 2 x RS-232 (DB-9) |
| | USB | 4 x USB 3.0 (type A) |
| | Display | 1 x VGA 1 x DP++ |
| | Audio | Speaker 2W+2W (available upon request) |
| | Buttons | 1 x Power Button |
| | Antenna Connectors | 3 x Antenna Hole for Wi-Fi or Cell Module |
| | WATCHDOG TIMER | Output & Interval |
| POWER | Type | AC Input 12V AC Input 9V-36V (available upon request) |
| | Connector | C14 Power Inlet |
| OS SUPPORT | | Windows 7 (32/64-bit) Windows 8.1 (64-bit) Windows 10 IoT Enterprise (32/64-bit) Ubuntu 15.10 (Intel graphic driver available) |
| MECHANISM | Construction | Sheet Metal |
| | IP Rating | IP65 Front Protection Glass (available upon request) |
| | Mounting | VESA Mount |
| | Dimensions (W x H x D) | TBD |
| | Weight | TBD |
| ENVIRONMENT | Operating Temperature | -10 to 50°C |
| | Storage Temperature | -10 to 65°C |
| | Relative Humidity | 5 to 95% RH (non-condensing) |
| STANDARDS AND CERTIFICATIONS | Shock | OP: Half-sine, 3G @ 11ms Non-OP: Half-sine, 5G @ 11ms |
| | Vibration | OP: Random, 1Grms @ 5~500Hz, 30min Non-OP: Sweep sine, 3Grms @ 10~500Hz, 30min |
| | Certifications | CE, FCC Class A |

VESA Mounting



▶ Ordering Information

| Model Name | Part Number | Description |
|-----------------------|-----------------|--|
| BPC420-BWN3710 | 750-BC4200-000G | 42" Bar Type Panel PC, Intel® Pentium® N3710, 700 nits, 4GB Memory, 32GB mSATA, RoHS |
| BPC420-BWN3710 | 750-BC4200-100G | 42" Bar Type Panel PC, Intel® Pentium® N3710, 700 nits, 4GB Memory, 32GB mSATA, Speaker 2W+2W, RoHS |
| BPC420-BWN3710 | 750-BC4200-200G | 42" Bar Type Panel PC, Intel® Pentium® N3710, 1500 nits, 4GB Memory, 32GB mSATA, RoHS |
| BPC420-BWN3710 | 750-BC4200-300G | 42" Bar Type Panel PC, Intel® Pentium® N3710, 1500 nits, 4GB Memory, 32GB mSATA, Speaker 2W+2W, RoHS |

▶ Optional Items

| Optional Items | Part Number | Description |
|-------------------------------|-----------------|--|
| Wi-Fi | 761-110091-000G | Wi-Fi kit, RoHS |
| Power Cord | 785-PWRD | Power cord, Standards (USA/EUR/CH), 1.8m, RoHS |
| Front Protection Glass | TBD | Front protection glass |

▶ Packing List

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|------------------------|
| • 1 BPC420-BW Panel PC |
| • 1 CD disk includes: |
| - Manual |