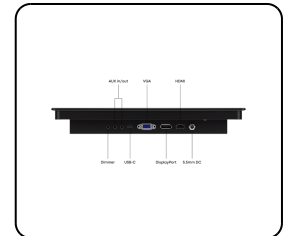
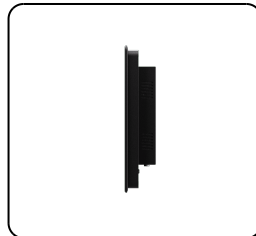
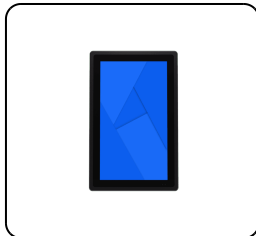




Model: 12HB9M/U1

## 12 Inch Touchscreen Metal (High Brightness)

- ✓ High-brightness Full-HD multi-touch panel
- ✓ Input: HDMI, DisplayPort, USB-C, VGA
- ✓ Mounting: Flush, embedded, panel mount
- ✓ External dimensions: 12.0 x 7.6 x 1.6 inches



## General

|              |   |
|--------------|---|
| Manufacturer | Beetronics                                  |
| Product Line | HB Touchscreen Series                       |
| Product Name | 12 Inch Touchscreen Metal (High Brightness) |
| Item Number  | 12HB9M/U1                                   |
| Product Type | Touchscreen                                 |
| Warranty     | 2 Years                                     |
| User Manual  | <a href="#">Download PDF</a>                |
| Quickstart   | <a href="#">Download PDF</a>                |

## Display Architecture

|                       |                              |
|-----------------------|------------------------------|
| Aspect Ratio          | 16:9 (4:3 Adjustable)        |
| Native Resolution     | 1920 x 1080                  |
| Pixels Per Inch       | 190 PPI                      |
| Diagonal Size         | 11.6 Inches (296 mm)         |
| Surface               | Tempered Glass, Matte Finish |
| Supported Orientation | Landscape, Portrait, Face-up |

## Display Performance

|                       |                                    |
|-----------------------|------------------------------------|
| Maximum Brightness    | 1000 nits (typical)                |
| Minimum Brightness    | 1 nit                              |
| Contrast              | 1000:1                             |
| Viewing Angle         | 170° Horizontal, 170° Vertical     |
| Supported Resolutions | 1920 x 1080 (max), 640 x 480 (min) |

## Touch Technology

|                  |   |
|------------------|---|
| Touch Technology | Capacitive (PCAP), Optically Bonded   |
| Touch Points     | 10-Point (Multi-Touch)  |
| Touch Interface  | USB HID-Compliant   |
| Touch Control    | Stylus, Hand, Glove   |
| Gesture Support  | Tap, swipe, scroll, pinch-to-zoom (dependent on host system OS and application) |

## Operational Features

|          |   |
|----------|---|
| Audio    | Dual Integrated Speakers  |
| Key-Lock | The control buttons can be blocked.   |
| Auto-On  | Automatically powers on when it receives current or a signal.   |
| Dimmable | Adjustable backlight brightness via remote control, optional dimmer, or an integrated ambient light sensor for automatic brightness adjustment. Dimming thresholds can be configured. |

## Software & Compatibility

|                  |   |
|------------------|---|
| Windows          | Windows 8, 10, 11   |
| Windows Embedded | Windows Embedded 8 Industry, 8.1 Industry, IoT Enterprise |
| macOS            | Tahoe, Sequoia, Sonoma                                    |
| Linux            | All Linux Distributions                                   |
| ChromeOS         | All ChromeOS Versions                                     |
| Brightsign       | All BrightsignOS Versions                                 |
| Samsung DeX      | All Samsung DeX Versions                                  |

## Connectivity

|                     |  |
|---------------------|--|
| HDMI                | 1x   |
| DisplayPort         | 1x   |
| VGA                 | 1x   |
| USB-C               | 1x Video, Audio, Touch   |
| USB-A               | Via USB-C to USB-A adapter. This only activates the touch functionality and should be combined with HDMI, the DisplayPort, or VGA for image display. |
| AUX Input (3.5mm)   | 1x   |
| AUX Output (3.5 mm) | 1x   |

## Mechanical

|                            |                         |
|----------------------------|-------------------------|
| Dimensions (Without Stand) | 12.1 x 7.9 x 1.6 Inches |
| Active Area                | 10.1 x 5.7 Inches       |
| Weight                     | 4.1 lbs                 |
| Colour                     | Black                   |
| Thickness                  | 1.6 Inches              |

## Mounting

|                                 |                                    |
|---------------------------------|------------------------------------|
| Wall Mount                      | ✔ VESA 75x75mm                     |
| Flush Mount                     | ✔ Panel Mount Accessories Included |
| Supported Mounting Orientations | Landscape, Portrait, Face-up       |

## Power

|                                |   |
|--------------------------------|---|
| Input Voltage                  | DC 10-36V                                     |
| Consumption                    | 17 W (On), 0.4 W (Standby)                    |
| Power Supply                   | External DC (Power Adapter Included)          |
| Power Adapter                  | Input: AC100-240V, 50/60Hz , Output: 19V-1.5A |
| Power Adapter Output Connector | DC Barrel Plug 2.1mm x 5.5mm                  |

## Environmental

|                         |                                 |
|-------------------------|---------------------------------|
| Operating Temperature   | -20°C to +70°C (-4°F to 158°F)  |
| Storage Temperature     | -30°C to +80°C (-22°F to 176°F) |
| Operating Humidity      | 10% - 90% Non-Condensing        |
| Ingress Protection (IP) | IP66 When Panel Mounted         |
| Impact Protection (IK)  | IK08                            |
| MTBF                    | 50K                             |

## Compliance & Regulations

|                         |  |
|-------------------------|--|
| Regional Standards      | CE, UKCA, FCC (Part 15), ISED (ICES-003), CCC  |
| Environmental Standards | RoHS, REACH, WEEE, California Proposition 65, Conflict Minerals (3TG; supplier declaration-based)  |
| Industry Standards      | Maritime: IEC 60945, DNV-CG-0339 (Requires BEE-PSU1-MAR); Railway: EN 50155, EN 45545-2; Automotive: e-Mark, UN ECE R10, SAE J1113, SAE J1455; Medical: EN 60601-1, EN 60601-1-2 (Requires BEE-PSU1-MED)           |
| Compliance Scope        | Standards and certifications apply to the tested product configuration using the specified power supply. Final system-level compliance remains the responsibility of the party responsible for system integration. |
| Compliance Statement    | <a href="#">Download PDF</a>   |

## Package Content

|          |   |
|----------|---|
| Includes | Touchscreen, USB-C to USB-C Cable, USB-C to USB-A Cable, Mounting Clamps (8x), Mounting Strips (8x), Screws (8x), Remote Control, Power Adapter, Quickstart |
|----------|---|

## Compatible Accessories

|               |  |
|---------------|--|
| Dimmer        | <a href="#">Compatible With External Dimmer (DMK7/DMK8)</a>        |
| Wall Mounting | <a href="#">Compatible With Flat Wall Mount Bracket (VWB1)</a>     |
| Touch Pen     | <a href="#">Compatible With CTS7 Capacitive Touchscreen Stylus</a> |



