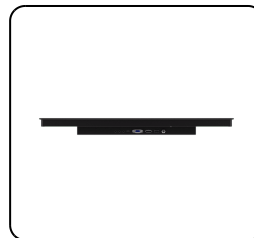
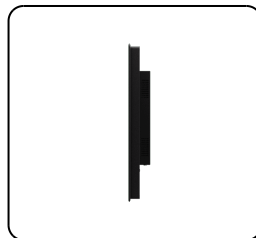
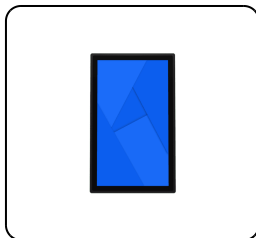


Model: 22HB9M/U1

## 22 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: 20.9 x 12.7 x 1.8 inches



## General

Manufacturer	Beetronics
Product Line	HB Touchscreen Series
Product Name	22 Inch Touchscreen Metal (High-Brightness)
Item Number	22HB9M/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	102 PPI
Diagonal Size	21.5 Inches (548 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	178° Horizontal, 178° 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)	20.9 x 12.7 x 1.8 Inches
Active Area	18.8 x 10.6 Inches
Weight	12.4 lbs
Color	Black

## Mounting

Wall Mount	✔ VESA 100x100mm
Flush Mount	✔ Panel Mount Accessories Included
Supported Mounting Orientations	Landscape, Portrait, Face-up

## Power

Input Voltage	DC 10-36V
Consumption	40 W (On), 0.4 W (Standby)
Power Supply	External DC (Power Adapter Included)
Power Adapter	Input: AC100-240V, 50/60Hz , Output: 19V-2.5A
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
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## 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>



