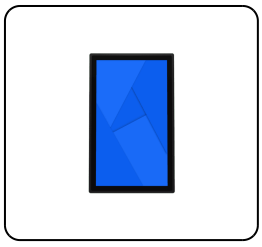
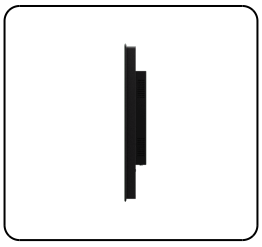
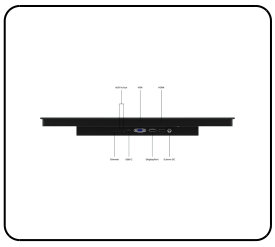
Model: 22HB9M/U1

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: 532 x 323 x 46 mm



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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	Download PDF
Quickstart	Download PDF

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	Mat tempered glas
Supported Orientation	Landscape, Portrait, Face-up

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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.

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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)	532 x 323 x 46 mm
Active Area	478 x 269 mm
Weight	5640 Grams
Colour	Black

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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

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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	Download PDF

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	Compatible With External Dimmer (DMK7/DMK8)
Wall Mounting	Compatible With Flat Wall Mount Bracket (VWB1)
Touch Pen	Compatible With CTS7 Capacitive Touchscreen Stylus

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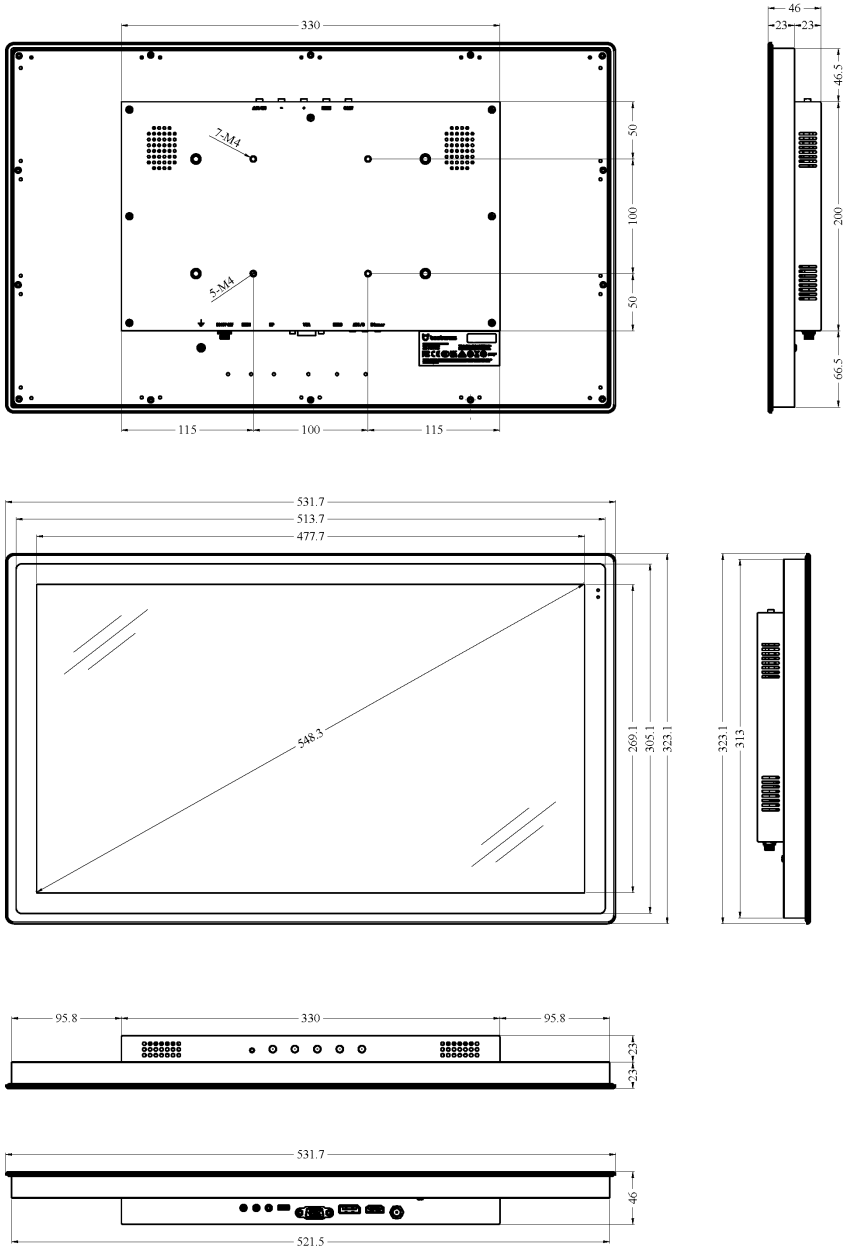

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