Beetronics
Blanchardstown Corporate Park, Dublin D15 AKK, Ireland
(01) 903 6425 · info@beetronics.ie

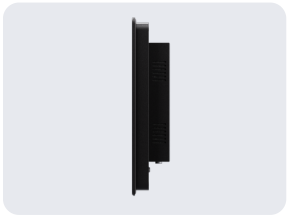
Model: 12HB9M/U1

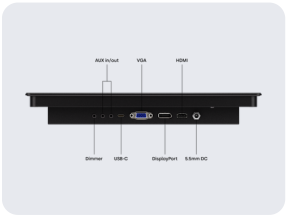
12 Inch Touchscreen Metal (High Brightness)

View product online









Features

- High-brightness Full-HD multi-touch panel
- Input: HDMI, DisplayPort, USB-C, VGA
- Mounting: Flush, embedded, panel mount
- External dimensions: 305 x 192 x 41 mm

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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	Download PDF
Quickstart	Download PDF

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.

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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
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)	305 x 192 x 41 mm
Active area	257 x 145 mm
Weight	1860 grams
Colour	Black
Thickness	41 mm

Mounting

Wall mount	VESA 75x75mm
Flush mount	Panel mount accessories included
Supported mounting orientations	Landscape, portrait, face-up

Power

Input voltage	19V DC
Operating voltage range	10-36V DC
Power consumption	17 W (on), 0.4 W (standby)
Power supply	External DC power supply included
Included power adapter	Input: 100-240V AC, 50/60Hz, Output: 19V DC, 1.5A
Power connector	5.5 mm × 2.1 mm DC barrel connector
DC cable length	1.5 m
AC power cord length	1.0 m

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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)
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
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 clip (12x), corner bracket (4x), straight bracket (4x),Screws, remote control, power adapter, quickstart

Compatible accessories

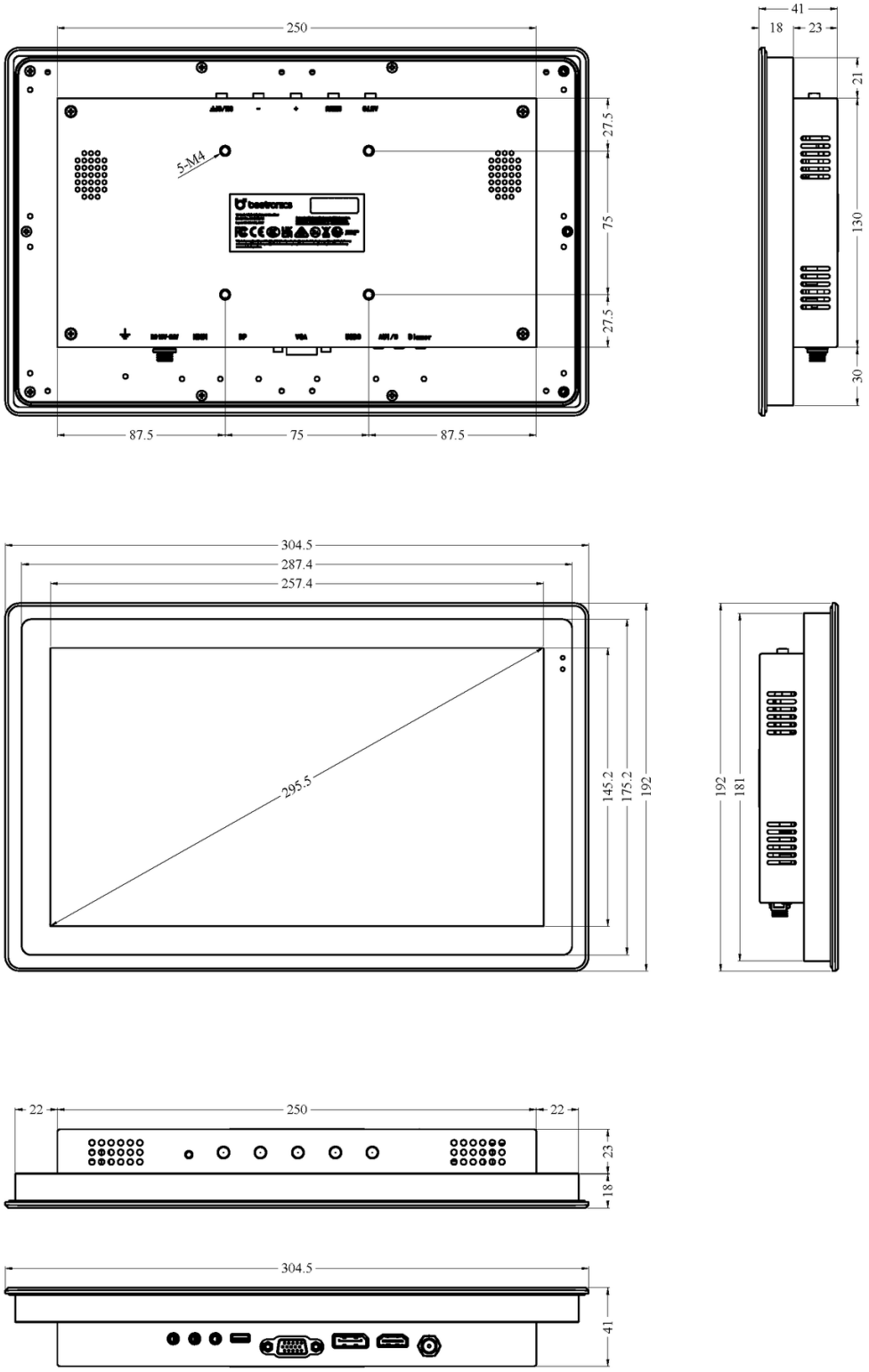
Dimmer	Compatible with external dimmer (DMK7/DMK8)
Wall mounting	Compatible with flat wall mount bracket (VWB1)
Touch pen	Compatible with CTS7 capacitive touchscreen stylus

EPR Weights

Plastic Packaging Weight (in Gram)	114
Paper Packaging Weight (in Gram)	560
Other Packaging Weight (in Gram)	2
Transport Packaging Weight (in Gram)	156
Total Packaging Weight (in Gram)	832
WEEE Weight (in Gram)	2140

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Dimensions are in mm.