**Beetronics**
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Model: 7TS7M

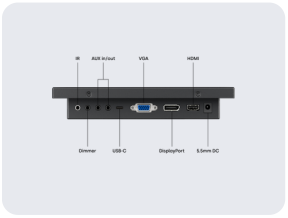
# 7 Inch Touchscreen Metal

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## Features

- High resolution multi-touch panel
- Input: HDMI, DisplayPort, USB-C, VGA
- Mounting: Flush, embedded, wall, desktop
- External dimensions: 181 x 123 x 42 mm

This high resolution 7 inch touchscreen has a reliable multi-touch panel which ensures accurate operation. The 7TS7M delivers best-in-class picture quality with excellent 178° viewing angles and is compatible with Windows, Mac & Linux operating systems. The touchscreen monitor is designed for professional applications, easy to integrate and suitable for intensive use.

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## General

| | |
|---|---|
| Manufacturer | Beetronics |
| Product line | Touchscreen Series |
| Product name | 7 Inch Touchscreen Metal |
| Item number | 7TS7M |
| Previous model | 7TS4 |
| Product type | Touchscreen |
| Warranty | 2 years |
| User manual | Download PDF |
| Quickstart | Download PDF |

## Display architecture

| | |
|---|---|
| Aspect ratio | 16:10 (16:9, 4:3 adjustable) |
| Native resolution | 1280 x 800 |
| Pixels per inch | 217 PPI |
| Diagonal size | 7.0 inches (179 mm) |
| Panel type | IPS-LCD |
| Backlight | LED |
| Surface | Tempered glass |
| Supported orientation | Landscape, portrait, face-up |

## Display performance

| | |
|---|---|
| Maximum brightness | 250 nits (typical) |
| Minimum brightness | 1 nit |
| Contrast | 800:1 |
| Viewing angle | 178° horizontal, 178° vertical |
| Response time | 10 ms |
| Supported resolutions | 1920 x 1200 (max), 640 x 480 (min) |

## Touch technology

| | |
|---|---|
| Touch technology | Capacitive (PCAP) |
| 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) |

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## 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 or optional dimmer. |

## 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) | 181 x 123 x 42 mm |
| Active area | 152 x 95 mm |
| Weight | 700 grams (900 grams with stand) |
| Colour | Black |

## Mounting

| | |
|---|---|
| Wall mount | VESA 75x75mm |
| Flush mount | Mounting strips included |
| Stand | Adjustable and detachable |
| Supported mounting orientations | Landscape, portrait, face-up |

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## Power

| | |
|---|---|
| Input voltage | 19V DC |
| Operating voltage range | 9-36V DC |
| Power consumption | 7 W (on), 0.4 W (standby) |
| Power supply | External DC power supply included |
| Power connector | 5.5 mm × 2.1 mm DC barrel connector |
| DC cable length | 1.5 m |
| AC power cord length | 1.0 m |

## Environmental

| | |
|---|---|
| Max. non-stop operating time | 24/7 |
| Operating temperature | -10°C to +60°C (14°F to 140°F) |
| Storage temperature | -20°C to +70°C (-4°F to 158°F) |
| Operating humidity | 10% - 90% non-condensing |
| Ingress protection (IP) | IP65 front panel |
| 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 strips, stand, remote control, power adapter, quickstart |

## Compatible accessories

| | |
|---|---|
| Infrared extension | Compatible with infrared extender (IRC7) |
| Dimmer | Compatible with external dimmer (DMK7/DMK8) |
| Rack mounting | Compatible with 19 inch rack mount kit (RMK2) |
| Wall mounting | Compatible with flat wall mount bracket (VWB1) |
| Stand | Compatible with VDK3 collapsible stand |
| Touch pen | Compatible with CTS7 capacitive touchscreen stylus |

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