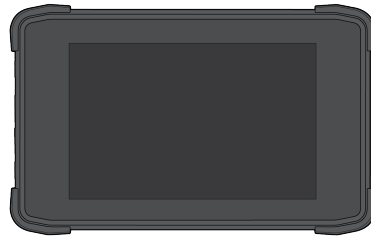


Specifications

TD510 7" Touch Display



General description

The TD510 7" Touch Display is the premium, smaller aftermarket display solution for the ultimate user experience in grade control applications where a more compact display is desirable. With its specialised combination of anti-glare, powerful backlighting and advanced optical bonding techniques the display combines at-a-glance sunlight readability with an easy to learn discoverable multi-touch interface.

Built on top of a powerful 3D graphics engine and processing platform the Android operating system means you can extend the display with additional applications that your business needs without having to upgrade your hardware or add an additional display.

Key Features & Benefits

- 7" sunlight readable optically bonded LCD with capacitive multi-touch interaction
- Android 6.0.1 Marshmallow for easy software extensibility
- Powerful quad core processor platform with dedicated graphics processor
- Secure platform for portability of grade control option keys
- Optional integrated Bluetooth and Wi-Fi for wireless connectivity
- 10MBps wired Ethernet
- Orientation Sensor
- Quick release RAM mounting for daily theft protection removal
- Panel mounting option for factory integration
- Rugged design for construction, paving, and mining machine environment

Physical Characteristics

<i>Length:</i>	224 mm (8.82 in)
<i>Width:</i>	141 mm (5.55 in)
<i>Depth:</i>	52 mm (2.05 in)
<i>Weight:</i>	1.0 kg

Platform:

Freescale iMX6 1GHz quad core plus CPU with GPU, 2GB RAM and 16GB nonvolatile Flash memory

OS:

Android 6.0.1 "Marshmallow"

I/O:

- (1) - Ethernet 10MBps (4-wire)
- (1) - USB 2.0 Type A Host port
- (1) - USB Mini A/B OTG port
- (1) - 2.4 GHz WLAN 802.11b/g/n (optional)
- (1) - Bluetooth 4.1 LE (optional)
- (1) - Integrated Speaker (85db @ 1m)
- (1) - Suspend/Resume Button
- (1) - Volume +/- Button

Display Specifications

<i>Resolution:</i>	WXGA (1280 x 800)
<i>Contrast Ratio:</i>	800 Typical
<i>Backlight:</i>	800 cd/m2
<i>Treatments:</i>	Anti-glare, anti-fingerprint, optical bond
<i>Viewing angle:</i>	+/-85deg
<i>Touch panel:</i>	P-cap multi-touch with gloved hand support and rain false touch rejection
<i>Glass Hardness:</i>	7H

Housing: Rugged plastic, with tactile hand hold features and overmoulded drop bumpers

Environmental Characteristics

Operating Temperature: -20°C to +70°C (-4°F to +158°F)
Note: WiFi will shut down when temperature exceeds 60°C (140°F) - Typ.

Storage Temperature: -30 °C to +85 °C (-22°F to +185°F)

Humidity: 90% relative humidity

Sealing: IP66 for dust, rain and pressure wash

Vibration: 4.4 G-rms for construction machine cab environments

Drop Resitance 1.0 m on concrete

Electrical Specifications

Input Voltage: 9 Vdc to 32 Vdc unconditioned

Max Current 1.83 A

Reverse Votlage Protected: Yes

Overvoltage Protected: Yes

Load Dump Protected: Yes

Short Circuit Protected: Yes

Electromagnetic Immunity

Immunity: ISO 13766:2006

Power Transients: ISO 7637-1 & ISO 7637-2

Emmisions: ISO 13766:2006; CISPR 25

Regulatory

Radio and Electromagnetic CE, RED, FCC, IC, RCM, Japan, ICES-3

Environmental WEEE, REACH, ROHS, and China RoHS
Compliant with EMC Directive 2014/30/EU and RED 2014/53/EU

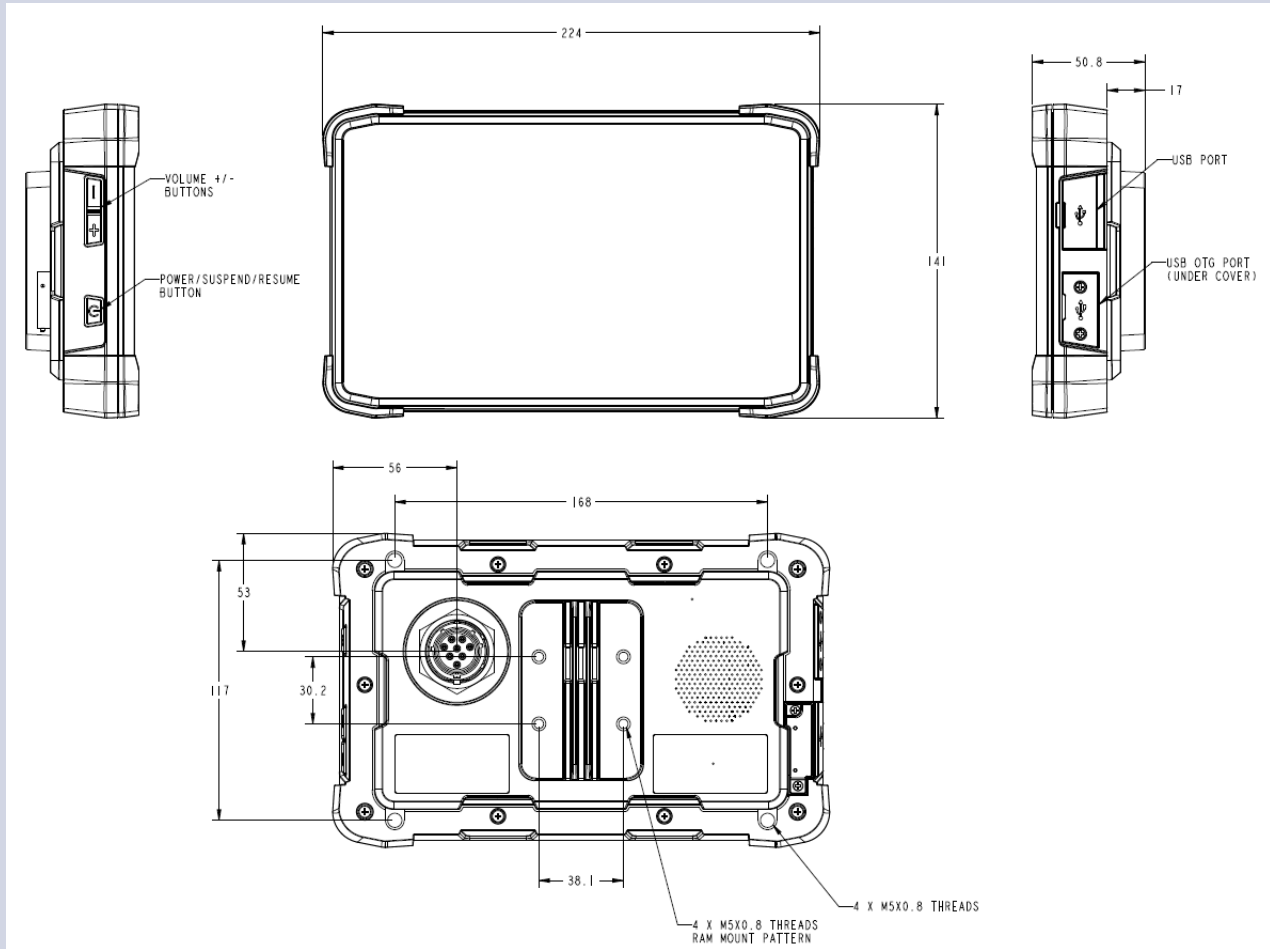
Primary I/O Connector Styles



MS Style 1/4 turn Amphenol PN 93-574605-8P
(Mates with C93-574670-08S or similar connector)

- A - Ethernet TX(-)
- B - Ethernet TX(-)
- C - Not Connected
- D - Battery(-)
- E - Battery(+)
- F - Not Connected
- G - Ethernet RX(+)
- H - Ethernet TX(+)

Dimensions (mm)



Specifications subject to change without notice.

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