Consat Driver Display

Q4 2025

CONSAT Telematics

Description

The Consat Driver Display is available in two models, Consat Driver Display (CDD) and the Consat Driver Terminal (CDT) both purpose-built for public transportation vehicles such as buses or trams. These displays provide drivers with the essential information needed for safe and efficient operations.

The Consat Driver Terminal (CDT) serves as Consat's extended driver display, with its combination of a vehicle computer and a driver display it offers a robust solution for onboard control and back-office system communication. It supports key features such as automatic vehicle location (AVL), block assignment, Ethernet-based passenger counting, and integration with Ethernet destination and passenger information displays. Certified for deployment in public transport, the CDT also includes CAN/FMS connectivity, Ethernet, and digital inputs, enabling reliable data collection for fleet and traffic management through systems like Consat Fleet Studio and Traffic Studio.

The Consat Driver Display (CDD) integrates seamlessly with onboard systems and transport management platforms to deliver real-time data critical to both drivers and passenger services. Its user-friendly, capacitive touch interface and intuitive menu structure help ensure that key information is always accessible, without distracting the driver from the road.

The CDD is available in two sizes 7" and 10", both with a display designed with touch-screen interfaces and easy navigable menu.

The value

- Enhanced driver safety through a well-organised display that consolidates critical information in one place. Intuitive touch controls and high-resolution visuals reduce distractions and support quicker decision-making in real-time traffic conditions.
- Faster, simpler installation thanks to Power-over-Ethernet (PoE), which uses a single cable to power the driver's screen.
- Seamless control of onboard systems via an intuitive capacitive multi-touch interface, giving drivers easy access to essential functions.
- Minimalistic, hygienic design that supports a clean driver environment and allows for efficient daily disinfection routines.
- Superior visual clarity and driver focus with a large 10" high-resolution capacitive touch display. The clear, detailed visualization of essential data reduces eye strain and fatigue, helping drivers maintain focus and performance during long shifts.

Specifications CDD07

Operating System

- Consat Linux

Hardware

- CPU: NXP iMX8 Quad core
- Display: 7” 1024 x 600, 640 nits
- Touch: Projected Capacitive, Multi-Touch
- Ambient Light Sensor
- Worldwide LTE modem
- GNSS (GPS, GLONASS, BeiDou/Compass, Galileo and QZSS)
- nanoSIM
- Power LED + Status RGB-LED
- Buzzer

Mounting

- 2-Hole AMPS (assc. CON-004-0002)

Dimensions

187.9 mm x 35.5 mm x 122.9 mm

Connections

- 1 x 100BASE-T LAN (M12 D-code) with PoE PD
- 1 x Power (Molex Minifit 4-pin)
- 2 x USB 2.0 Type A
- 1 x I/O (Molex Minifit 6-pin)
  - 2 x Digital input
  - 1 x Digital output
  - 1 x CAN-FD
- 2 x Antenna (Fakra)
  - 1 x Cellular
  - 1 x GNSS

Power Supply

- 9-36 V DC, ISO 16570-2 Level E, with Ignition
- Consumption: Max 15W

Environment

- IP40 , Front IP54
- Temperature: -20 to +50°C (Operating)

Compliance

- CE RED
- FCC
- E-mark (ECE R10)
- Railway EN50155

Specifications CDD10

Operating System

- Consat Linux

Hardware

- CPU: NXP i.MX8M Mini Quad core
- Display: 10” 1280 x 800, 500 nits
- Touch: Projected Capacitive, Multi-Touch
- Ambient Light Sensor
- Power LED + Status RGB-LED
- Audio signalling

Mounting

- 4-Hole VESA 75x75mm (CON-004- 0010)

Dimensions

257.5 mm x 40.2 mm x 178.1 mm

Connections

- 1 x LAN (M12 D-code 4 pin) with PoE PD
- 1 x Power (M12 A-code 5 pin)
- 1 x Analog video input (BNC)
- 2 x USB 2.0 Type A

Power Supply

- 12V/24V Vehicle DC Power
- Consumption: Max 15W
- PoE

Environment

- IP41
- Temperature: -25 to +60°C (Operating)
  -40 to +85°C (Storage)

Compliance

- EMC: CE / FCC
- UN/ECN reg 10
- UN/ECN reg 118
- ITxPT

Please note that the final product specifications are subject to change pending certification approval. Any necessary adjustments will be made to ensure compliance with certification requirements.

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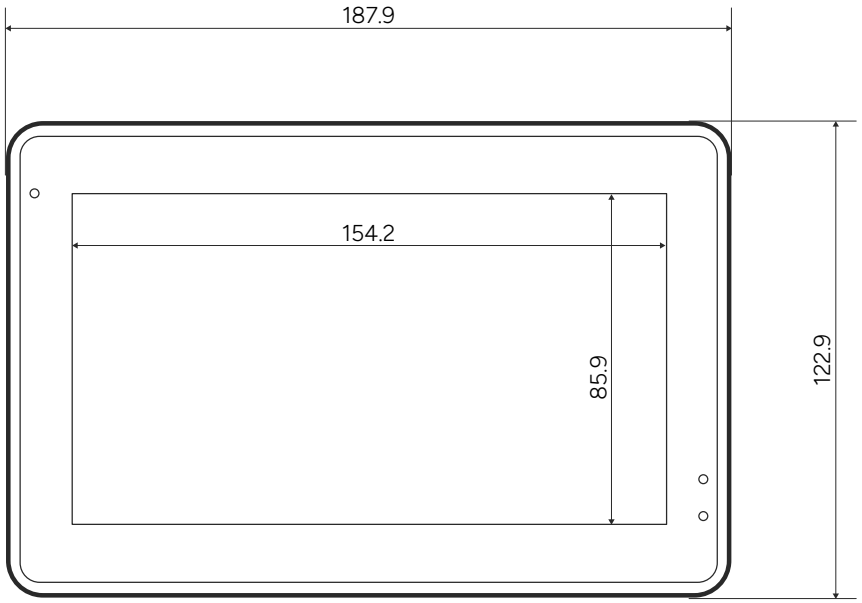
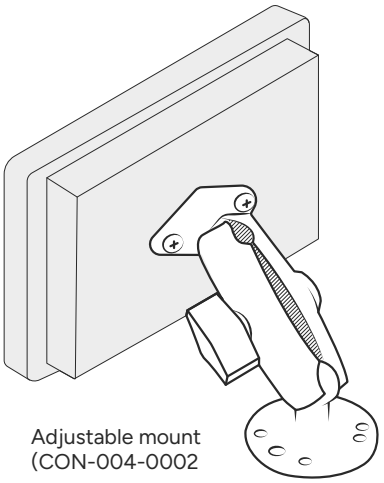
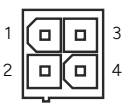
Drawings

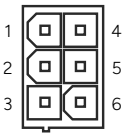




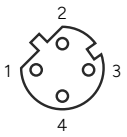
Adjustable mount
(CON-004-0002



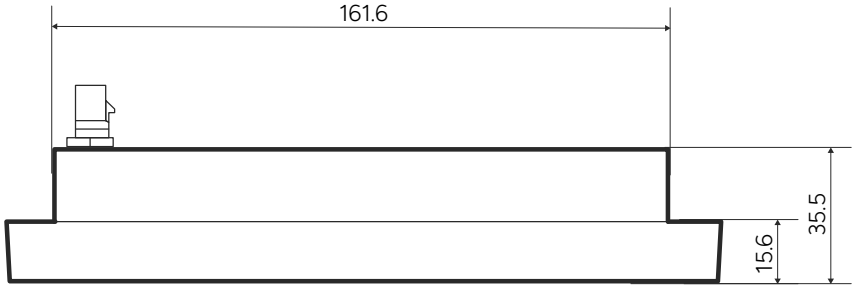
1. GND
2. GND
3. VIN
4. Ignition



1. Digital input 1
2. Digital input 2
3. Digital sink output
4. GND
5. CAN H
6. CAN L



1. TX+
2. RX+
3. TX-
4. RX+



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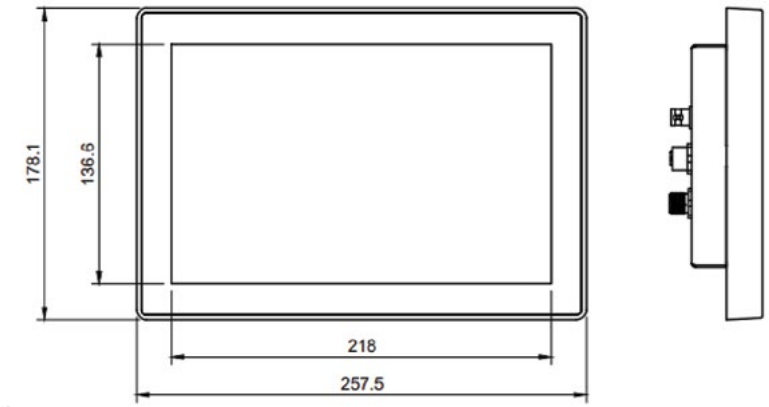
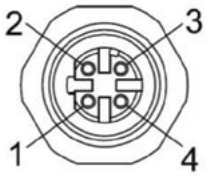
Drawings



1. V+
2. Ignition
3. N.C
4. N.C
5. GND



M12 D-CODE	Signal
1	LAN_MDIP0
2	LAN_MDIN0
3	LAN_MDIP1
4	LAN_MDIN1

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