



INTEGRAL  
CONTROL SYSTEMS LTD.

# INTEGRAL 8" LOCOMOTIVE DISPLAY UNIT [ILDU]

System Datasheet

ICS Model Number LDU-0002

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## Integral Locomotive Display Unit 8" – ILDU

The 8" ILDU is a rugged vehicle mount integrated touch screen display designed for demanding mobile applications. The ILDU can be installed as the LCC primary operating display or remotely located for use a maintenance display:

### Key Benefits

- Resistive Touch with function buttons for flexible UI/UX
- AAR LSI, UIC and custom layouts available
- Fully integrated visualization of Integral LCC data
- Sunlight viewable at 1000 nits
- MIL 810-STD-G shock and vibration rated



# Integral Locomotive Display Unit 8" – ILDU

## Specifications

### LCD Panel

- Size: 8-inch TFT LCD panel with LED backlight
- Resolution: 1024x720 pixels (HD)
- Brightness: 1000 cd/m2
- Viewing angle: 170°

### Touch Screen

- Projected capacitive
- Anti-glare coated surface
- Transmission rate 80 +/- 3%

### Power Management

- Standard internal 24Vdc nominal supply with operating range 9Vdc – 60Vdc
- Optional nominal supply input 72Vdc with ultra-wide transient range 16.8Vdc-160Vdc via external converter

### I/O

- 1x Full RS232, DB9M standard port
- 1x 10/100/1000 MBPS LAN, M12 A-coded
- 2x USB 2.0, M12 A-coded
- 1x CAN 2.0B
- 1x Bluetooth, SMA

### Environmental

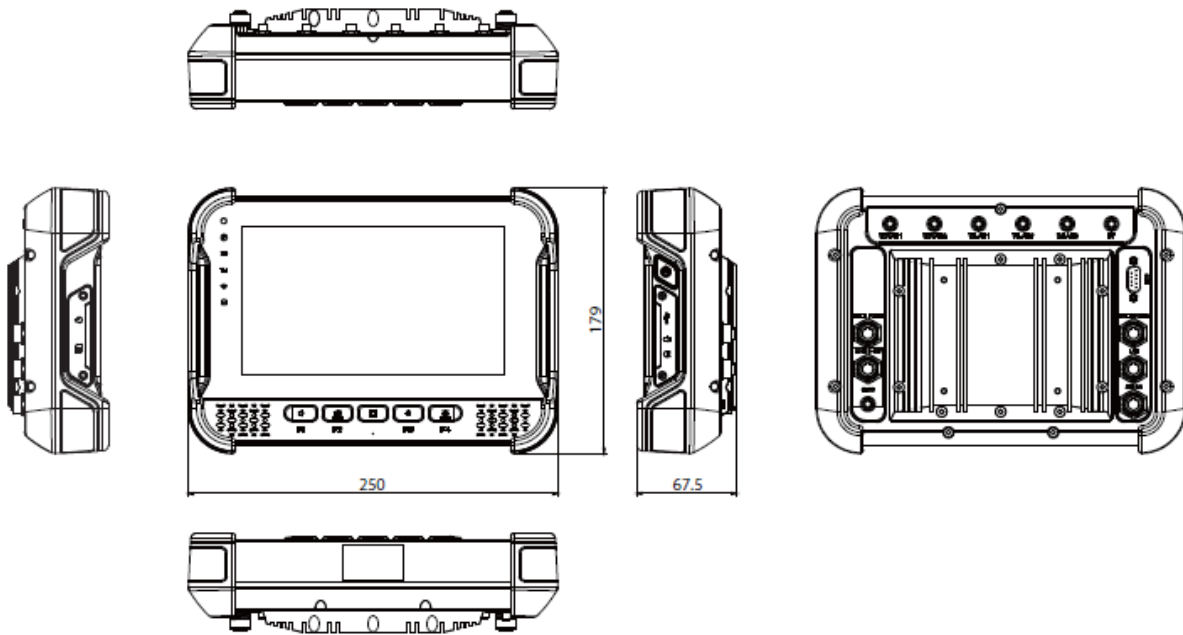
- Operating ambient temperature: -30°C to 60°C
- Shock and vibration: MIL-STD-810G

## Integral Locomotive Display Unit 8" – ILDU

### Mechanical

- Dimensions: 9.84" (W) x 7.05" (H) x 2.66" (D)
- Weight: 5.7lbs (2.6 kg)
- Mounting: VESA 75

### Dimension Drawing



## Integral Locomotive Display Unit 8" – ILDU

### Why work with Integral Control Systems?

- We are customer driven; your success is our primary mission.
- Decades of locomotive control experience; we're ready to solve your toughest project challenges.
- We are experts in locomotive propulsion and traction control; from conventional EMD and GE alternator fed units to DC link AC and DC traction solutions.
- We are innovative and experienced in empowering disruptive, industry leading railway technology development; from multiengine gensets to battery and battery-hydrogen hybrid locomotives.



*Your Partner in Complete Locomotive Control Solutions!*

