

## DT872CR Rugged 7" All In One



The DT Research DT872CR Rugged 7" All In One incorporates a 7-inch vivid display with the powerful and energy-efficient Intel® Atom™ platform in a fanless, water-proof, and shock/vibration-resistant package for vertical computing applications. With the Microsoft® Windows® or Android operating system combined with an industrial-grade capacitive touch screen, the all-in-one DT872CR Rugged 7" All In One provides flexibility in system integration and mounting on buses, trains, elevators, and walls, providing a wide range of solutions for manufacturing, transportation, logistics, and military applications.

### Features

- 7" display with capacitive touch; high-bright, sunlight-readable, and anti-reflective option
- Intel® Atom™ quad-core CPU; powerful and low power consumption
- Microsoft® Windows® 10 IoT Enterprise or Android operating system
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- Integrated dual-band Wi-Fi and Bluetooth
- Comprehensive I/O ports for peripherals and accessories
- Optional long-range Bluetooth; Class 1 Bluetooth (1000 ft.)
- Optional GNSS Module; u-blox M8 GNSS module with concurrent reception of GPS and GLONASS, industry leading -167dBm navigation sensitivity
- Optional 4G LTE/AWS (with external antennas)



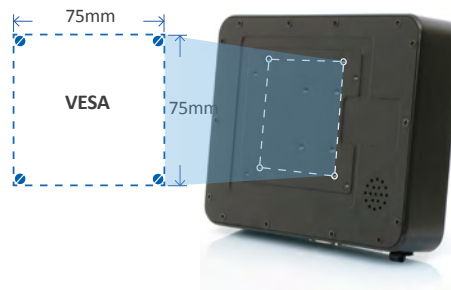
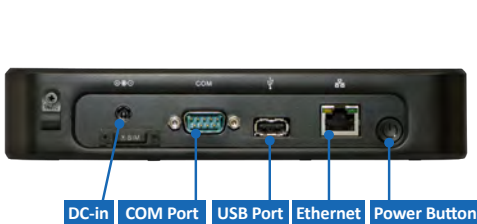
### Applications

- Government/ Military
- Inventory/ Warehousing
- Control/ Monitoring
- Transportation
- Hospitality
- Retail
- Healthcare
- Construction
- Manufacturing

# Specifications

System	
CPU	Intel® Atom™ Quad Core, 1.44GHz (up to 1.92GHz)
RAM	4GB
Storage	64GB
Operating System	Windows® 10 IoT Enterprise or Android 6.0.1
Display	7" LED-backlight screen with capacitive touch; high-bright, sunlight-readable, and anti-reflective screen option
Display Resolution	1280 x 800
Fan/ Fanless	Fanless
Control Switch and Buttons	1 power button
Speaker	Built-in speaker
Network Interface	
LAN	Ethernet 10/ 100MB Base-T LAN
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band
Bluetooth	Bluetooth 4.0 LE
I/O Ports	
USB Port	USB 2.0 x 1
COM Port	1
Ethernet	1
DC-in	Waterproof jack x 1
Mechanical and Environmental	
AC/DC Adapter	<b>Input:</b> 100 – 240V AC; <b>Output:</b> 12V DC, 5A. Optional DC/DC automobile power adapter by LIND
Enclosure	Aluminum
Dimensions (H x W x D)	5.9 x 7.9 x 1.46 in/ 151 x 200 x 37 mm
Weight	3.1 lbs/ 1.4 kg
Vibration and Shock Resistance	MIL-STD-810G
Water and Dust Resistance	IP65
VESA-compliant Mounting	3 X 3 in/ 75 X 75 mm
Regulatory	FCC Class B, UL, CE, RoHS compliant
Temperature	<b>Operation:</b> 0°C – 50°C; <b>Storage:</b> -20°C – 60°C
Humidity	0% – 90% non-condensing
Major Options	
Long-range Bluetooth	Class 1 Bluetooth (1000 ft.)
GNSS Module	u-blox M8 GNSS module with concurrent reception of GPS and GLONASS, industry leading -167dBm navigation sensitivity
Mobile Broadband	4G module for LTE, HSPA+, GSM/GPRS/EDGE, EV-DO, Rev A and 1xRTT

\* Specifications subject to change without notice.



## Accessories

- Anti-vibration Bracket
- LIND Auto Adapter

