

# CM-DL81 - 8" Windows Rugged Tablet with Intel® Celeron® Processor

## Overview

CM-DL81 rugged tablets are crafted to withstand the harshest industrial environments, providing mobile solutions that increase productivity, enhance safety, and reduce operational costs. The CM-DL81 is equipped with the Windows 10 or 11 operating system and an 8-inch screen supported by stylus, glove, and wet-touch modes. It also features an integrated IPS 700-nit screen for clear visibility and operational comfort, regardless of the weather or application.

## Features

- Intel® Celeron® N5100 processor
- Windows 10 or 11 operating systems
- Supports 1D, 2D barcode reader, NFC, RFID, fingerprint (optional)
- Supports 4G, WLAN, BT, and GNSS
- Rich I/O interfaces including: RS-232, RJ45 Ethernet, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



## I/O Interfaces



# Specifications

<b>Display</b>	
Size	8 inch
Touch Type	G+G Capacitive multi-touch screen, gorilla glass, hardness 7h
Resolution	800 x 1280
Luminance	700 nits
Contrast Ratio	1200: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.7M
<b>System</b>	
CPU	Intel® Celeron® N5100 (Jasper Lake), 4 MB Intel® Smart Cache, up to 2.8 GHz
Memory	4GB LDDR4 (optional 8GB)
Storage	64GB SSD (optional 128GB)
Graphics	Intel® UHD Graphics Gen 11 LP
Camera	Front: 5MP fixed-focus camera Rear: 8MP autofocus camera with flash
Sensor	G-sensor
<b>Keypad &amp; Keyboard</b>	
Button	1x Power button, 1x Volume+, 1x Volume -, 2x Function keys
<b>I/O Ports</b>	
USB	1x USB 3.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)
Ethernet	1x RJ45 10/100/1000M
Display	1x Mini HDMI
Audio	1x 3.5mm audio combo jack
SIM Card Slot	1x Micro SIM card slot
TF Card Slot	1x TF card slot, up to 256GB
Aviation Plug (optional)	2x Aviation plug (choose two out of three from USB, RS232 or DC-in)
Docking Connector	1x 12-Pin
<b>RF Communication</b>	
Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.8G)
Cellular	WCDMA: B1/B5/B8 FDD LTE: B1/B3/B5/B7/B8/B20/B28 TDD LTE: B34/B38/B39/B40/B41
Bluetooth	BT4.2 (BLE) Class 1
GNSS	GPS, GIONASS, BeiDou
<b>Data Collection (Optional)</b>	
NFC	13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare
RFID	HF: 13.56MHz, supports ISO/IEC 14443A/14443B/15693 UHF: 900MHz, supports PR9200 / R2000
Barcode Reader	1D, 2D barcode reader
Fingerprint	FBI/ISO/GA Certification
<b>Audio</b>	
Speaker	8Ω/1W, dual stereo speakers
MIC	Built-in microphone
<b>Power</b>	
DC Input	100-240V, 50-60Hz, 12VDC
Battery	Removable lithium-ion polymer battery, 7.6V 5000mAh
Battery Life	6 hours
<b>Operating System</b>	
Windows	Windows 10, Windows 11

<b>Mechanical</b>	
Dimensions (W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)
Weight (N.W.)	900g (1.98lbs)
<b>Environment</b>	
Operating Temperature	-10 °C to 50 °C (14 to 122°F)
Storage Temperature	-20 °C to 60 °C (-4 to 140°F)
Relative Humidity	95% @ 40°C (104°F), non-condensing
Vibration	MIL-STD-810H: 2022 Method 514.8 Procedure I
Drop	MIL-STD-810H: 2022 Method 516.8 Procedure IV, 4ft
IP Rating	IP67 compliant
<b>Certification</b>	
EMC	CE, FCC
<b>Packing List</b>	
Packing	1x RTC-I81, 1x Battery, 1x Hand strap, 1x Power adapter

## Dimensions

