DARVEEN

Industrial-Grade Rugged Tablets

- Intel® Core™ / Celeron® or MediaTek CPUs
- Windows, Android, and Linux OS
- 8" - 11" optional high-brightness touch display
- IP67 and MIL-STD-810H certified

Versatile Options
Darveen's rugged tablets are offered in x86 or ARM processors, Windows or Android operating systems, and screen sizes of 8 or 11.6 inches. They also support handwriting input, glove touch, stylus and wet touch modes, catering to various needs.

Built to Last
Our rugged tablets provide stability and reliability to operate effectively in the most challenging environments. They are engineered to withstand extreme temperatures, shocks, vibrations, and drops, compliant with IP67 for water and dust resistance and meet MIL-STD-810H standards.

Seamless Wireless Connectivity
The RTC series supports a diverse range of connectivity options, including Wi-Fi, Bluetooth, and 4G LTE. This ensures smooth data transmission and real-time communication with the control center, a crucial capability for field service applications.

High Productivity
The RTC series offers extensive I/O connectivity, including USB, USB Type-C, LAN, COM and aviation plug options, facilitating the connection of diverse peripherals. Additionally, the tablet supports 2D barcode and RFID reading and writing.

Enhanced Data Security
The RTC series includes multiple identity verification options for more convenient and secure login, such as fingerprint readers and smart card readers. It also supports logging into tablets based on facial recognition and infrared camera technology.

Long-Lasting Hot-swap Battery
For mobile workers, efficient battery management is as crucial as the functionality of the tablet itself. The dual hot-swap battery design of RTC-I116 provides sufficient capacity for a full day of work. Additionally, the RTC-I116 supports fast charging through the USB-C interface.

Windows Rugged Tablets

RTC Series

- Intel® Core™ i7/ Core™ i5 / Celeron® processor
- Available with 8, 10.1, and 11.6-inch LED panels, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint (optional) for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including serial port, RJ45 Ethernet, USB, HDMI
- Removable high-capacity battery design
- Hot-swappable battery (RTC-I116 only)
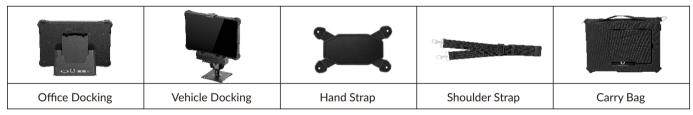- IP67 and MIL-STD-810H certified

Android Rugged Tablets

RTC Series

- MediaTek MT6771 Octa-core processor
- Available with 8 and 10.1-inch LED panels, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint (optional) for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including serial port, RJ45 Ethernet, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified

Darveen provides a full suite of accessories that bring ease of use and management.

Office Docking	Vehicle Docking	Hand Strap	Shoulder Strap	Carry Bag

Applications

Smart Manufacturing	Warehouse and Logistics	Energy

Asset Management	Public Safety	Field Services

Product model		RTC-I81	RTC-I101	RTC-M81	RTC-M101
Display	Size	8 inch	10.1 inch	8 inch	10.1 inch
	Touch Type	G+G Capacitive multi-touch screen, gorilla glass, hardness 7h			
	Resolution	1280 x 800	1280 x 800 (1920 x 1200 optional)	1280 x 800	1280 x 800 (1920 x 1200 optional)
	Luminance	700 nits			
	Contrast Ratio	1200: 1			
	View Angles	85 (left), 85 (right), 85 (up), 85 (down)			
	Color	16.7M			
System	CPU	Intel® Celeron® N5100 (Jasper Lake), 4 MB Intel® Smart Cache, up to 2.8 GHz		MTK MT6771, ARM Cortex-A73 Quad-core 2.0 Ghz, ARM Cortex-A53 Quad-core 2.0GHz	
	Memory	4GB LDDR4 (optional 8GB)		4GB LDDR4 (optional 6GB)	
	Storage	64GB SSD (optional 128GB)		64GB EMMC (optional 128GB)	
	Graphics	Intel® UHD Graphics Gen 11 LP		ARM Mail-G72	
	Camera	Front: 5MP fixed-focus camera Rear: 8MP autofocus camera with flash		Front: 5MP fixed-focus camera Rear: 13MP autofocus camera with flash	
	Sensor	G-sensor		Compass, Gyroscope, G-sensor, Light sensor	
Buttons	Buttons	1x Power Key, 1x Volume+, 1x Volume -, 2x Function keys			
I/O Ports	USB	1x USB 3.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)		1x USB 2.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)	
	Ethernet	1x RJ45 10/100/1000M		1x RJ45 10/100M	
	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	2x Aviation plug (choose two out of three from USB, RS232 or DC-in)			
	Docking Connector	1x 12-Pin			
Wireless Connectivity	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		GSM: B2/B3/B5/B8, WCDMA: B1/B2/B5/B8 TD-SCDMA:B38/B39/B40/B41, CDMA2000: BC0/BC1 FDD: B1/B3/B5/B8/B20/B28a/B28b or B2/B4/B7/B17 TDD: B34/B38/B39/B40/B41	
	Bluetooth	Bluetooth® V4.2			
	GNSS	GPS, GLONASS, BeiDou			
Data Collection (Optional)	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			
Audio	Speaker	8Ω/1W, dual stero speakers			
	MIC	Built-in microphone			
Power	DC Input	100-240V, 50-60Hz, 12VDC		100-240V, 50-60Hz, 5VDC	
	Battery	Removable lithium-ion polymer battery, 7.6V 5000mAh		Removable lithium-ion polymer battery, 3.8V 10000mAh	
	Battery Life	6 hours		8 hours	
Operating System	Windows	Windows 10, Windows 11		NA	
	Android	NA		Android 11	
Mechanical	Dimensions (W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)
	Weight (N.W.)	900g (1.98lbs)	1200g (2.65 lbs)	850g (1.87lbs)	1150g (2.54 lbs)
Environment	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			
Certification	EMC	CE, FCC			

MIC
Front Camera
Indicator
USB
Audio Jack
Mini HDMI
USB Type-C

Rear Camera
2D Barcode Reader
RFID
RJ45
Aviation Plug x2
Battery
Fingerprint

Function Key
Function Key
Volume+
Volume-
Power Key
Pogo pin
Speaker

Product model		RTC-I116
Display	Size	11.6-inch
	Touch Type	Capacitive touchscreen, G+G, hardness 7H
	Display Type	16:9 TFT IPS
	Resolution	1920 x 1080
	Luminance	1,000 nits
	Contrast Ratio	1,000:1
	View Angles	85 (left), 85 (right), 85 (up), 85 (down)
	Color	16.7M
System	CPU	Intel® Core™ i5-1235U, 2P-Cores, 8-Cores, 12 threads, 1.3 GHz-4.4 GHz
		Intel® Core™ i7-1255U, 2P-Cores, 8-Cores, 12 threads, 1.7 GHz-4.7 GHz
	Memory	16 GB LPDDR5 (up to 32 GB, optional)
	Storage	256 GB NVMe PCIe SSD (up to 1 TB, optional)
	Graphics	Intel® Iris® Xe Graphics
	Camera	Front: 2MP fixed focus camera (Windows Hello)
		Rear: 12MP autofocus camera with flash
	Sensor	G-sensor, Light sensor, Gyroscope
Buttons	Buttons	1x power key, 1x volume+, 1x volume -, 1x Windows key, 4x function keys (P1, P2, P3, P4)
I/O Ports	USB	1x Type-C (supports power charging and data transfer)
		2x USB 3.0 Type-A
	Serial	2x COM (1x RS232/422/485, 1x RS232, optional)
	Ethernet	1x RJ45 10/100/1000M
	Display	1x Mini HDMI
	Audio	1x 3.5 mm audio combo jack
	SIM Card Slot	1x Nano SIM card slot
	Docking Connector	1x 24 pin
Wireless Connectivity	Wi-Fi	Wi-Fi 6E 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
	Cellular	LTE FDD: B1/B2/B3//B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71
		LTE-TDD B34//B38/B39/B40/B41/B42/B43/B48
		WCDMA B1/B2/B4/B5/B6/B8/B19
	Bluetooth	Bluetooth® V5.3
	GNSS	GPS, GLONASS, BeiDou
Data Collection (Optional)	NFC	13.56 MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare, card reading distance: 2 to 5cm
	RFID	UHF: PR9200/R2000
	Barcode Reader	1D, 2D barcode reader
	Fingerprint	Windows Hello
Audio	Speaker	8Ω/2W, dual stero speakers
	MIC	Dual microphone
Power	DC Input	100-240V, 50Hz-60Hz, 65W
	Battery	Dual batteries, hot-swappable, 7.7V 58Whr, with battery indicator
	Battery Life	6 hours
Operating System	Windows	Windows 10, Windows 11
	Linux	Linux
Mechanical	Dimensions (W x D x H)	315 x 203 x 20 mm (12.40 x 7.99 x 0.79 inches)
	Weight (N.W.)	1550 g (3.42 lbs)
Environment	Operating Temperature	-20 °C to 60 °C (-4 to 140°F)
	Storage Temperature	-30 °C to 70 °C (-22 to 158°F)
	Relative Humidity	95% @ 40°C (104°F), non-condensing
	Vibration	MIL-STD-810H: 2022 method 514.8 procedure l
	Drop	MIL-STD-810H: 2022 method 516.8 procedure IV, 4 ft./1.2 m
	IP Rating	IP66
Certification	EMC	CE, FCC

Front Camera+MIC

Function Key
Type-C
Mini HDMI
Audio Jack
USB
Volume+
Volume-
Power Key
Speaker
Speaker
Indicator
Function Key
Windows Key
USB
RJ45
COM (Optional)

Rear Camera
Fingerprint
2D Barcode Reader
Speaker
Kensington Lock
Battery
Battery
Pogo Pin

We Are Darveen

Established in 2007, Darveen has been dedicated to developing rugged industrial computer solutions tailored to the unique needs of various vertical industries. Our product lines include in-vehicle computers, industrial panel PCs, rugged tablets, embedded box computers, and industrial monitors. Darveen's vehicle-mounted computer solutions have successfully helped hundreds of container terminals in streamlining their processes and operations. With nearly 20 years of experience in product design and manufacturing, Darveen's products have gained widespread acceptance in diverse markets, including container terminals, warehousing, manufacturing, industrial equipment, mining, and special vehicle fleets.

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