

Darveen RTC-I116 Introduction



Slim Design with Robust Features in a Rugged Package

Darveen RTC-I116

11.6" Windows Rugged Tablet with 12th gen Intel® Core™ i7/i5 processor




Slim and Elegant Design

With a thickness of just **20 mm (0.79")**, the RTC-I116 is **slim and lightweight**, making it one of the most compact fully functional 11.6" tablets.



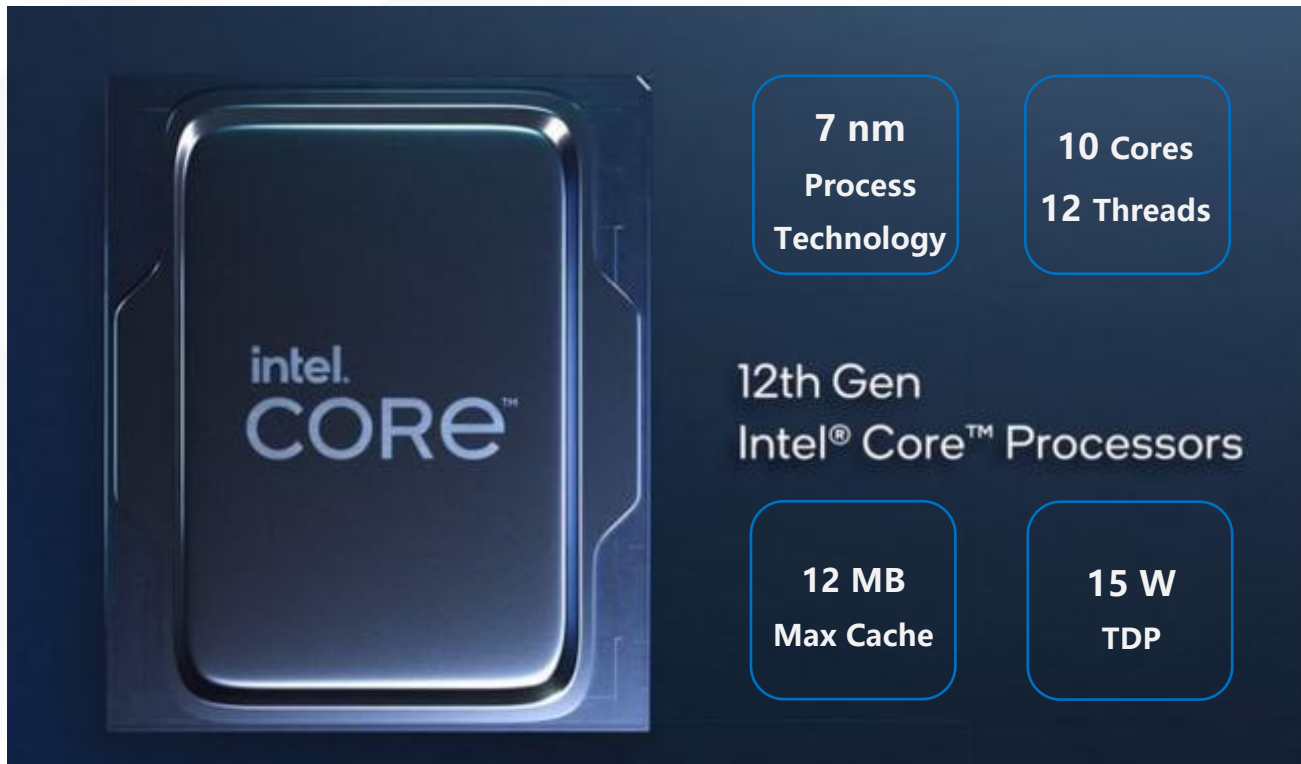
Slim and Modern Design
→||← Just 20mm thick, 15%-30% thinner than comparable products

 **Easy to Use**
Function keys give greater control over the tablet

 **Ergonomic Design**
Curved back ensures a secure grip, even on an 11.6-inch tablet

Industry Leading Computing Power

The RTC-I116 features **Intel® 12th Generation processors** and **Intel® Iris® Xe graphics**, providing exceptional performance and visuals.



CPU

Intel® Core™ i7-1255U, up to 4.7 GHz
Intel® Core™ i5-1235U, up to 4.4 GHz

Memory and Storage

16GB DDR5L, expandable to 32GB
256GB NVME PCIe SSD, expandable to 1TB

Graphics

Intel® Iris® Xe, 1.25 GHz

Stunning Visual Performance

- **11.6-inch** TFT screen with **1920 x 1080 FHD** resolution for a larger operating interface
- **1,000 nits sunlight-readable screen** with full lamination and **AF (Anti-Fingerprint)** technology to effectively reduce glare and fingerprints
- Industrial-grade multi-touch supports input with **rain, gloves, or an active stylus**



Detailed Design for Better Productivity



Dual Cameras

5MP front and 12MP rear cameras for high-resolution imaging



Superior Audio

High-power dual speakers and noise-canceling microphones ensure clear voice communication



Function Keys

8 function keys, including power, volume, Windows, and 4 customizable keys (P1-P4)



Extended Battery Life

Dual batteries provide power for the entire shift



24/7 Connectivity

Equipped with the latest communication technology, the RTC-I116 allows for real-time communication between the field and the office.



WLAN

Wi-Fi 6E provides speeds up to 9.6 Gbps, 3x faster than the previous generation

WWAN

Supports up to CAT12 Gigabit 4G with global frequency bands. Optional 5G available

Bluetooth

Bluetooth 5.3 offers 2 Mbps speed, 2x faster than the previous, with a 36 m communication range, 4x greater

GNSS

Supports GPS, GLONASS, Galileo, and BeiDou. Upgradable to dual-band L1 and L5 for enhanced precision

Robust Suite of I/O

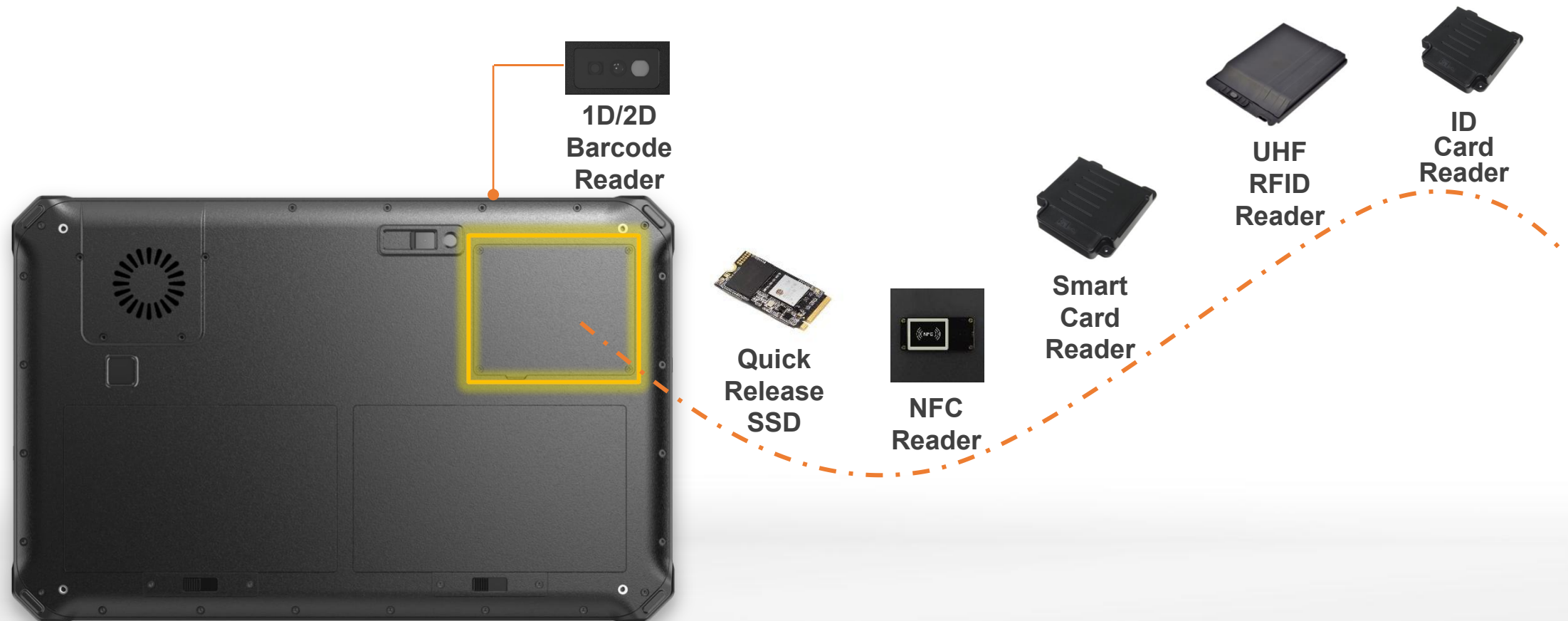
Provides **up to 8 I/O ports** to accommodate a wide range of application requirements:

- 1 x USB Type-C
- 2 x USB 3.0
- 2 x Serial Ports
- 1 x GigaLAN
- 1 x Mini HDMI
- 1 x Audio jack
- 1 x Docking Connector



Versatile Data Capture via Expansion Slots

The RTC-I116 provides a variety of **add-on data capture modules**, offering multiple methods to retrieve and transmit information while on the go.



Advanced Security Authentication

Provides multiple **fast and secure authentication options** for user identification, along with enhanced **data security protection**.



Hot-Swappable Dual Batteries

The unique **high-capacity 58Wh hot-swappable dual-battery design** allows for uninterrupted power and continuous usage. Supports Type-C port 65W/90W fast charging.



RTC-I116 Power Draws

Usage Mode	Light	Moderate	Heavy
Battery Life	8 hrs	5 hrs	3 hrs

¹ Above shows dual battery runtime

² One battery charges in 2.5 hours (65W charger, standby mode) and runs up to 6 hours

Rugged and Durable Design

- High-strength industrial plastic casing with an aluminum-magnesium alloy frame for full protection
- **IP66** and **MIL-STD-810H certified**, resistant to water, dust, and vibration
- Operates in temperatures from **-20°C to 60°C (-4°F to 140°F)** and **withstands 4-foot (1.2m) drops**



Vertical Targets of RTC-I116



Manufacturing

- Inventory management
- Quality control
- Equipment monitoring
- Production tracking
- Data collection
- Workflow management
- Safety inspections



Field Mobility

- Data Collection
- GPS and Mapping
- Work Order Management
- Asset Tracking
- Inspections and Reporting
- Mobile Point of Sale



Public Safety

- Emergency Response
- Incident Reporting
- Navigation and Dispatch
- Data Access
- Evidence Collection
- Real-Time Monitoring



Utilities & Energy

- Equipment Inspections
- Work Order Management
- Asset Tracking
- GIS Mapping
- Maintenance and Repairs
- Remote Monitoring
- Safety Checks

Manufacturing

A man in a grey lab coat is standing on a red metal walkway in a large industrial factory. He is holding a tablet computer that displays various charts and data. In the background, several orange robotic arms are visible, working on a production line. The factory is filled with various equipment, pipes, and structural elements, creating a complex industrial environment.

The rugged design, with **MIL-STD-810H vibration resistance** and **4ft/1.2m drop protection**, allows for use in any industrial site and production line.

Utilize **wireless connectivity** to monitor production status in real-time and perform remote diagnostics and maintenance

1D/2D barcode reader and RFID reader for inventory data collection

Field Mobility



Equipped with up to **8 I/O interfaces** including **Ethernet, USB, and COM ports** for efficient connection to field devices

Offers stable **LTE/5G and Wi-Fi 6E** for seamless communication and data synchronization in the field

The **12MP high-resolution camera** helps document on-site conditions

Public Safety



With **IP66** and **MIL-STD-810H** ratings, the rugged design is suitable for complex work environments

The **vehicle docking station** allows easy switching between vehicle and mobile use

Supports **LTE/5G** and **GNSS** for data transfer, precise navigation, and location tracking

Utilities & Energy

Stable **LTE/5G, Wi-Fi 6E, and GPS** enable remote monitoring of oil rig and routes of inspection personnel

Dual hot-swappable batteries support long-term remote use

1,000 nits high-brightness screen for easy readability in sunlight

Reliable operation in hazardous environments, ensuring worker safety



Comparison



	Darveen RTC-I116	ONERugged EM-I20A	Winmate M116TG	Durabook R11	MSI NF21
CPU / RAM/ Storage	i7-1255U / i5-1235U 16G DDR5 + 256G SSD	i7-1255U / i5-1235U 16G DDR4 + 128G SSD	I5-1135G7 8G DDR4 + 128G SSD	i7-1255U / i5-1235U 8G DDR5 + 256G SSD	i7-7500U / i5-7200U 8G DDR4 + 128G SSD
Display	11.6", 1920*1080, 1000nits Glove / rain / stylus	12.2", 1200*1920, 650nits	11.6", 1920*1080, 800nits Glove / rain / stylus	11.6", 1920*1080, 1000nits Glove / rain / stylus	12.2", 1200*1920, 800nits
Battery	58.5Wh 65W/90W charger	51.8Wh 65W charger	51.8Wh 65W charger	43.8Wh 65W charger	47.1Wh 120W charger
Wireless Connectivity	Wi-Fi 6E, BT5.3, GNSS, LTE, 5G	Wi-Fi 6E, BT5.3, GNSS, LTE	Wi-Fi 5, BT4, GNSS, LTE, 5G	Wi-Fi 6E, BT5.3, LTE, GNSS	Wi-Fi 5, BT4, GNSS
I/O Ports	USB3.0 x2, RJ45 x1, RS232 x1, RS232/422/485 x1	USB3.0 x1, RJ45 x1, RS232 x1	USB3.0 x1, RJ45 x1, RS232 x1	USB3.2 x1, RJ45 x1, RS232 x1	USB3.0 x1, RJ45 x1
Expansion	2D barcode reader, NFC, UHF RFID, fingerprint, smart card	2D barcode reader, NFC, fingerprint	2D barcode reader, NFC	2D barcode reader, NFC, UHF RFID, smart card	2D barcode reader, fingerprint
Camera	5MP + 12MP	2MP + 8MP	2MP + 8MP	2MP + 8MP	2MP + 8MP
Ruggedness	IP66, MIL-STD-810H	IP65, MIL-STD-810H	IP65, MIL-STD-810H, MIL-STD-461G	IP66, MIL-STD-810H, MIL-STD-461F, ANSI	IP65, MIL-STD-810H

Ordering Information

Model Name	Partner No.	Description
RTC-I116	RTC-I116-A1000C	Core i5-1235U, 1920x1080@1000nits, 16GB+256GB, WiFi, Bluetooth, 4G (CN), GPS, 5MP+12MP, 58Wh Battery, Fingerprint
RTC-I116	RTC-I116-A1000E	Core i5-1235U, 1920x1080@1000nits, 16GB+256GB, WiFi, Bluetooth, 4G (EU), GPS, 5MP+12MP, 58Wh Battery, Fingerprint
RTC-I116	RTC-I116-B1000C	Core i7-1255U, 1920x1080@1000nits, 16GB+256GB, WiFi, Bluetooth, 4G (CN), GPS, 5MP+12MP, 58Wh Battery, Fingerprint
RTC-I116	RTC-I116-B1000E	Core i7-1255U, 1920x1080@1000nits, 16GB+256GB, WiFi, Bluetooth, 4G (EU), GPS, 5MP+12MP, 58Wh Battery, Fingerprint
RTC-I116	RTC-I116-A1200E	Core i5-1235U, 1920x1080@1000nits, 16GB+256GB, WiFi, Bluetooth, 4G (EU), GPS, 5MP+12MP, 58Wh Battery, Fingerprint, 2D Barcode

Accessories - Standard



Battery (3,800mAh 7.7V)
BT3800-2S



Power Adapter
GTR65C-1



USB cable
UCC5A

Accessories - Optional



Office Dock
OD200



Vehicle Dock
VD200



Battery Charger
BC2U



Hand Strap
HS11



Shoulder Strap
SS18



Stylus
Stylus01

DARVEEN

Rugged Industrial Systems



Parhelia B.V.
www.parheliabv.com
☎ +31(0)10 741 00 28