ICEROCK3 New

CORNING Gorilla Glass

Ultra Tough Assistant

- 10.1" 350 cd/m² TFT LCD with capacitive touch
- Intel® Atom™ N2800 1.86GHz processor
- Powered by Windows® Embedded Standard 7 P
- Bluetooth, Wi-Fi, 3.75G wireless with GPS
- 1D/2D barcode reader, 13.56MHz RFID reader
- 1.3-megapixel CMOS front camera and
  5-megapixel CMOS rear camera
- Optional built-in hot-swappable battery

| 3.75G/HSUPA | Bluetooth | Wi-Fi | Camera | IP64 | Touchscreen | Fanless | RFiD | 7H Hardness | 1D Barcode Scanner | 2D Barcode Scanner | 7 |

Field Service Application

Based on the new generation Intel® Atom™ platform and the Windows® Embedded Standard 7 operating system, the ICEROCK3 is a high performance and rugged tablet PC designed for field service applications. It is integrated with a rich set of data capture and wireless communication functions that allow businesses to streamline workflow and maintain workforce visibility.

Field Services

Factory Management

Logistics Management

Management Center

1 IEIMobile Solutions

2 Automation Panel Solutions

3 PACSmate Medical Solutions

4 Optional Peripherals

High Performance, Low Power Consumption CPU for Fanless Dessign

Benefits

- CPU TDP (3.5/6.5/10W) and average power are lower than Pine Trail (6.5/10/13W)
- Provides two digital display ports supporting extra LVDS/HDMI/VGA display options
- Two-time improved graphics with 2 HD video support
- Faster memory: up to DDR3 1066MHz
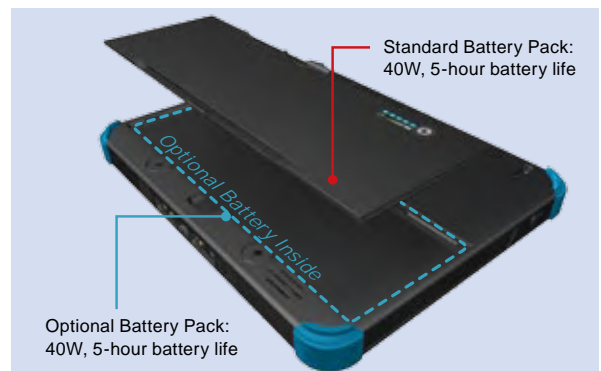- HD decoding with Blu-ray support

Specifications Comparison

	N270 (Navy Pier)	D525/D425/N455 (Pine Trail)	N2800/N2600 (Cedar Trail)
Process	45nm	45nm	32nm
Processor Frequency	N270: 1.6GHz	D525/D524: 1.8GHz N455: 1.66GHz	N2800: 1.86GHz N2600: 1.6GHz
CPU TDP	N270: 2.5W	D525: 13W D425: 10W N455: 6.5W	N2800: 6.5W N2600: 3.5W
Chipset/ PCH TDP	945GSE: 5.5W ICH7M: 1.9W	ICH8M: 2W	Intel® NM10: 1.5W
Memory	DDR2 400/533MHz (2GB max.)	DDR2/DDR3 up to 667 MHz for N455, 800MHz for D525/D425 (4GB max.)	DDR3 1066MHz for N2800 (4GB max.) DDR3 800MHz for N2600 (2GB max.)
Graphics	DX9, OGL 1.4 Gfx @ 133 MHz	DX9, OGL 1.5 Gfx @ 200 MHz (N455) Gfx @ 400 MHz (D525/D425)	DX9, OGL 3.0 Gfx @ 400 MHz (N2600) Gfx @ 640 MHz (N2800)
Video Decoding	MPEG2	Discrete 3rd part decoder	MPEG2, H.264, VC-1/WMV9 Up to 1080p decoding

Efficient Power Management

In addition to the standard 40W battery, a built-in battery pack is offered as an optional selection for the ICEROCK3 in order to meet extended work hour requirements. With the additional battery pack, the ICEROCK3 can achieve efficient power management by:

- Increasing device operation time to 10 hours
- Supporting hot-swappable function, which means the batteries can be refilled without having to shut down the system

Battery Pack	Power (W)	Operation Time (Hrs)
Standard	40	5
Optional	40	5

Standard Battery Pack: 40W, 5-hour battery life

Optional Battery Inside

Optional Battery Pack: 40W, 5-hour battery life

Rugged Design

In order to meet outdoor environmental requirements, the ICEROCK3 has been designed with an IP 54 rating, 1.2M drop survival, and wide operating temperatures.

IP 54 Rating

IP54

Dust tight and protected against water splashed against the component from any direction

Operating Temperature 0°C ~ 40°C

Operating Temperature 0°C~40°C

It can be operated under a wide range of temperatures

1.2M Drop Test

Drop Protection

Passed the 1.2M drop test on all sides 26 times

Storage Temperature -20°C ~ 60°C

Storage Temperature -20°C~60°C

It can be stored under extreme temperatures

Corning® Gorilla® Glass

7H Hardness

Durable and damage resistant Corning® Gorilla® Glass with 7H hardness.

CORNING Gorilla Glass

Protective rubbers are located on all four corners of the ICEROCK3, enhancing its strength against bumps and drops.

A special protective cover is designed to prevent water and dust from entering the device.

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1 IEIMobile Solutions

2 Automation Panel Solutions

3 PACSmate Medical Solutions

4 Optional Peripherals

Barcode Reader

RFID Reader   1.3-Megapixel CMOS Camera

5-megapixel CMOS Camera

Barcode Trigger

1 x Micro HDMI

USB 3.0
USB 3.0
Headphone/ Mic-in
SIM Card Slot

Function Keys

USB Host

VESA 75 x 75   Battery

Specifications

Model		ICEROCK3
Display	LCD Size	10.1" TFT LCD
	Brightness (cd/m²)	350
	Max. Resolution (HxV)	1280 x 800
	Viewing Angle	85/85/85/85 Deg.
	Touch Screen	Projected capacitive type
System	CPU	Intel® Atom™ N2800 1.86GHz
	Chipset	Intel® NM10
	Operating System	Windows® Embedded Standard 7 P
	Memory	On-board 4 GB DDR3
	Storage	8GB mSATA
Communication	Wireless LAN	Wi-Fi 802.11b/g/n
	Bluetooth	Bluetooth 3.0
	Modem	UMTS/HSUPA Band 1, 2, 4, 5, 6, 8
	GPS	GPS with internal antenna
Data Collection	RFID	13.56MHz RFID supports ISO 14443A/B (Mifare, Felica)
	Barcode	1D/2D imager scan engine
	Camera	1.3-megapixel front camera 5-megapixel rear camera

Indicators & Buttons	Keys	1 x Power button 2 x Hot keys 1 x iMenu
	LED Indicators	Battery charging/peripheral device/storage/ wireless device
I/O Interface	Audio	1 x Headphone 1 x Mic-in 2 x 1 W speakers
	Expansions	3 x USB 3.0 1 x SIM card slot 1 x Micro HDMI
Power	Power Adapter	Input AC: 100~240V Output DC: 19V / 3A
	Battery	40 W standard battery pack (5 working hours) 40 W optional battery pack (5 working hours)
Environment	Operating Temperature	0°C~40°C
	Storage Temperature	-20°C~60°C
	Humidity	5%~95%, non-condensing
	Drop Survival	1.2M
	Environmental Protection	IP 54
	Certifications	CE / FCC
Physical	Dimensions (LxWxH) (mm)	297 x 234 x 32
	Weight	1.9 kg

Ordering Information

Part No.	Description
ICEROCK3-T10-HU-R10	10.1" 350cd/m² Tablet PC with Intel® Atom™ N2800 1.86GHz CPU, Capacitive Touch, 4GB RAM, 8 GB mSATA, 3.75G, 802.11b/g/n, BT, GPS, Barcode Reader, RFID, WS7P, RoHS
ICEROCK3-T10-ET-R10	10.1" 350cd/m² Tablet PC with Intel® Atom™ N2800 1.86GHz CPU, Capacitive Touch, 4GB RAM, 8 GB mSATA, 802.11b/g/n, BT, HF RFID, WS7P, RoHS

Model Variations

Part No.	Touch	Wireless	Bluetooth	3.75G	GPS	Barcode	RFID	Front Camera	Rear Camera
ICETOCK3-T10-HU-R10	Capacitive touch	802.11b/g/n	Ver. 3.0	Yes	Yes	1D/2D	Yes	Yes	Yes
ICEROCK3-T10-ET-R10	Capacitive touch	802.11b/g/n	Ver. 3.0	N/A	N/A	N/A	Yes	Yes	Yes

Optional Accessory List

Item	Description
Charging Bay	Independent charging bay for ICEROCK3 (with interlocking design)
Docking Station	Docking station for ICEROCK3
Combo Reader	Smart card reader, magnetic stripe reader, fingerprint reader Combo add-on module

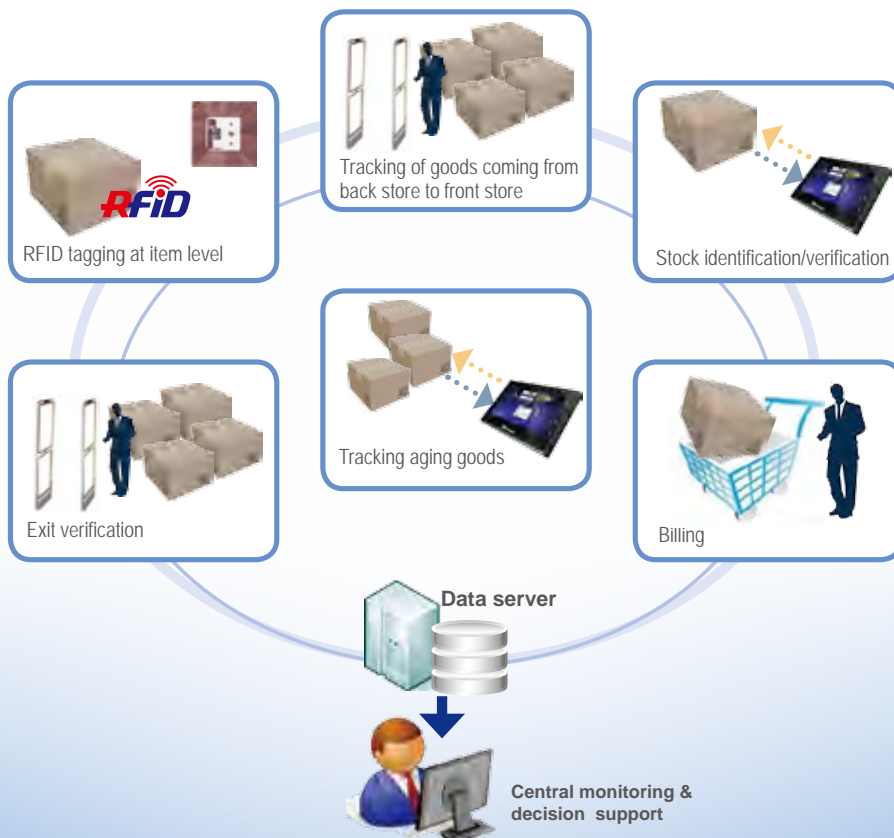Charging Bay   Docking Station   Combo Reader

ICECARE-05

New

Pocket Mobile Field Assistant

- **5" 350 cd/m² TFT LCD with projected capacitive touchscreen**
- **Texas Instruments Sitara™ ARM® Cortex™-A8 CPU**
- **Powered by Android 4.1.2 OS**
- **Bluetooth and Wi-Fi**
- **5-megapixel CMOS camera**
- **Optional HF / UHF RFID reader**

Cortex Intelligent Processors by ARM

TEXAS INSTRUMENTS

Bluetooth | Wi-Fi | Camera | Touchscreen | RFID | UHF | ANDROID

Retail and Warehouse Management Applications

The ICECARE-05 is designed for applications in the retail industry. Pocket sized consumer-grade mobile devices are not designed to withstand drops and often fall short on battery life. However, with its industrial-grade design, the ICECARE-05 offers prolonged operation time and enhanced durability to users in the vertical industry.

RFID tagging at item level

Tracking of goods coming from back store to front store

Stock identification/verification

Tracking aging goods

Exit verification

Billing

Data server

Central monitoring & decision support

1
IEIMobile Solutions

2
Automation Panel Solutions

3
PACSmate Medical Solutions

4
Optional Peripherals

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