ICECARE-05 New

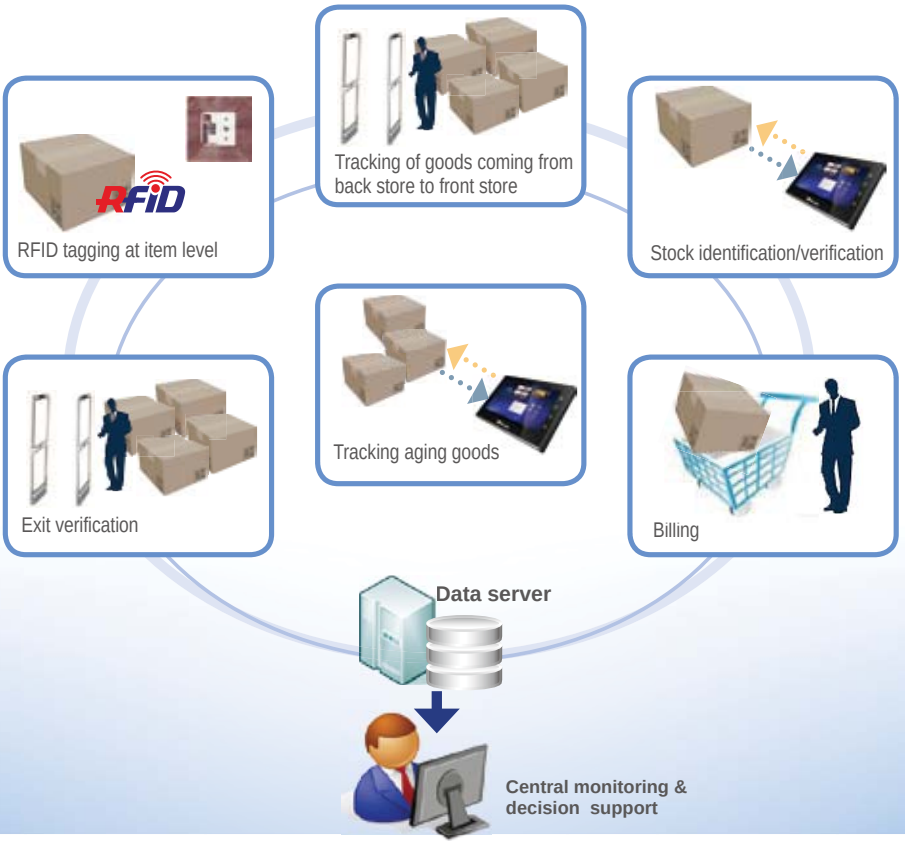
Pocket Mobile Field Assistant

- 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

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.



The Industry's Lightest Android Tablet with Rugged Design

The ICECARE-05 is the industry's lightest Android tablet PC with a rugged design. Weighing less than 300 grams, the ICECARE-05 is designed with an IP 64 rating, 1.2M drop survival, and wide operating temperatures.

IP 64 Rating

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

Operating Temperature -10°C ~ 50°C

It can be operated under a wide range of temperatures.

1.2M Drop Test

Passed the 1.2M drop test on all sides 26 times.

Storage Temperature -20°C ~ 60°C

It can be stored under extreme temperatures.

Protective cover over:
1 x Micro USB
1 x microSD

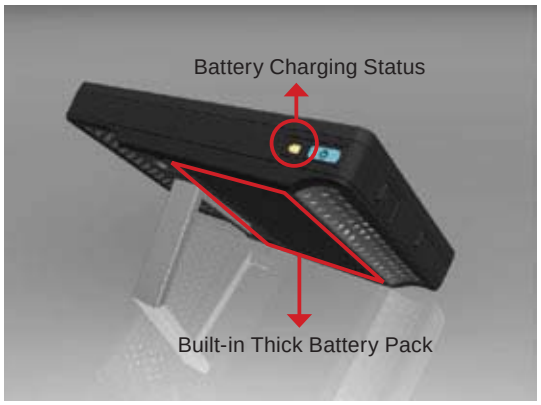
The ICECARE-05 is surrounded by black rubber protecting it from water and dust intrusions and drops.

Enhanced Operating Time

In order to increase device operating time and meet the requirements of long work hours, the ICECARE-05 is built in a thick battery pack with an extended operating time of 8 hours.

Battery Pack	Details	*Operating Time (Hrs)
Thick Battery	3600mAh	8 Hrs (Normal Usage)

* Under normal usage when 3G/GPS/UHF functions are turned off.



Optional Advanced RFID Technology

The RFID (Radio-Frequency Identification) technology utilizes frequencies ranging from 125KHz to 2.45GHz. The ICECARE-05 features an optional HF or UHF RFID reader.

HF RFID Reader

The 13.56MHz RFID reader is suitable for item identification in warehouse.

UHF RFID Reader

The optional UHF RFID reader, which operates within 840MHz to 960MHz, is excellent for multiple item identification and tracking applications.

- HF RFID: short reading distance, single item identification
- UHF RFID: long reading distance, multiple item identification

Specifications

Model	ICECARE-05	
Display	LCD Size	5" TFT LCD
	Brightness (cd/m²)	350
	Max. Resolution	800 (H) x 480 (V)
	Viewing Angle	70/70/50/70 Deg.
	Touch Screen	Projected capacitive type
System	CPU	TI Sitara™ AM3715 1GHz
	Operating System	Android 4.1.2
	Memory	4GB eMMC Flash + 512MB SDRAM
Communication	Wireless LAN	802.11a/b/g/n
	Bluetooth	Bluetooth 4.0
Data Collection	RFID	13.56MHz RFID reader (optional) UHF RFID reader (optional)
	Camera	5-megapixel camera
Indicators & Keys	LED Indicators	Power on LED (Blue)/ Sleep (Red)
		Charging LED (Orange)/ Full (Green)
	Keys	Power on / off switch
		4 x Function key (Home/Menu/Back/Search)

I/O Interface	Audio	1 x Headset
		1 x 0.5W speaker
	Expansions	1 x Micro USB Client
		1 x microSD (up to 32G)
Power	Power Adapter	5V/2.1A/10.2W
	Battery	3.7V 3600mAh
Environment	Operating Temperature	-10°C ~ 50°C
	Storage Temperature	-20°C ~ 60°C
	Humidity	5%~95%, non-condensing
	IP Protection	IP 64
	Drop Survival	1.2m
Pysical Characteristics	Dimensions (LxWxH) (mm)	139 x 99.3 x 22.8
	Weight	297g

Packing List

Item	Part No.	Q'ty
Adapter	63040-330010-000-RS	1
Cable	32001-008501-100-RS	1
Earphone	30900-000003-RS	1

Ordering Information

Part No.	Description
ICECARE-05-HF-R10	5" TFT-LCD tablet with TI Sitara™ AM3715 CPU, Wi-Fi/Bluetooth, HF RFID, 5-megapixel camera, Android 4.1.2 OS, RoHS
ICECARE-05-ET-R10	5" TFT-LCD tablet with TI Sitara™ AM3715 CPU, Wi-Fi/Bluetooth, 5-megapixel camera, Android 4.1.2 OS, RoHS
ICECARE-05-UHF-R10	5" TFT-LCD tablet with TI Sitara™ AM3715 CPU, Wi-Fi/Bluetooth, UHF RFID, 5-megapixel camera, Android 4.1.2 OS, RoHS

Model Variations

Part No.	Touch	Wireless	Bluetooth	3.75G	GPS	HF RFID	UHF RFID
ICECARE-05-HF-R10	Capacitive touch	802.11a/b/g/n	Ver. 4.0	N/A	N/A	Yes	N/A
ICECARE-05-ET-R10	Capacitive touch	802.11a/b/g/n	Ver. 4.0	N/A	N/A	N/A	N/A
ICECARE-05-UHF-R10	Capacitive touch	802.11a/b/g/n	Ver. 4.0	N/A	N/A	N/A	Yes