

RTC

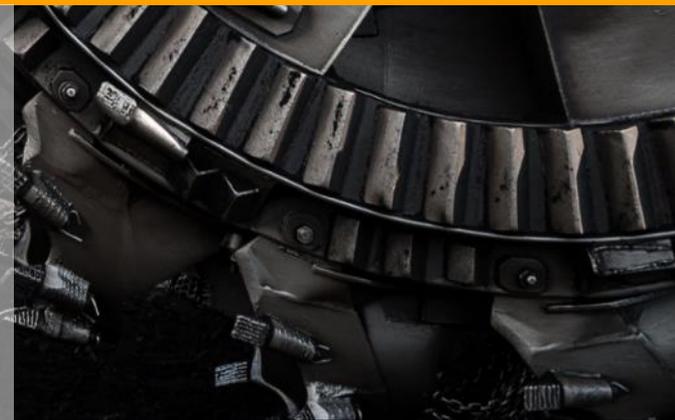
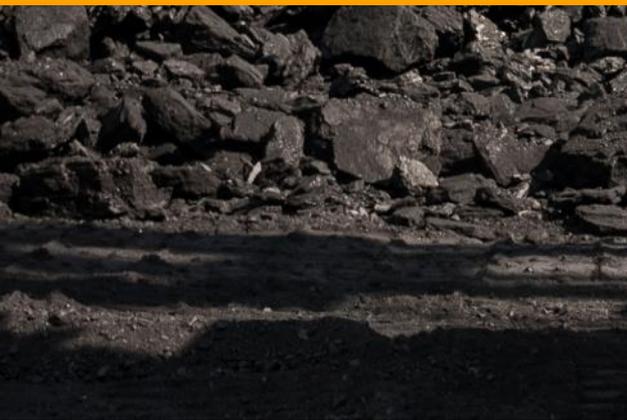
RUGGED TABLET COMPUTERS

Presenter: Pascal Borgstijn - BDM Europe





The New Modular Generation RTC-700 series





RTC-700 series



BCS Trigger & Multi-Function Hot Key

8MP Camera (5MP on 700M)

Flash

1D/2D Barcode Reader

NFC

Hot-swappable battery

W = 136.6mm



D = 21mm (w/o module)

H = 219mm



2MP Camera Only on 700B

USB Type A

COM

Ethernet

Head Phone

Cradle Interface

SIM Card Slot



Speaker

DC-in

Mini USB

USB Type C

USB 3.0 Type C only on 700B

Micro SD Card slot

Power Button

Front Camera



RTC-700 Key Features



- **Powerful** TI OMAP4470 **1.5 GHz** Processor (700M)
- **High-performance** Intel Atom x5-Z8350 **Quad Core** 1.92 GHz Processor (700B)
- **HD 7"** [1280 x 800] Projected Capacitive **Touch** Display
- Brilliant **400 nits** illuminant Gorilla Glass panel
- **16GB** of standard storage on the 700M, expandable with MicroSD card slot
- **64GB** of standard storage on the 700B, optional up to **128GB**
- **Android 5.1** or **Windows 10** IoT Enterprise
- Wi-Fi a/b/g/n
- 3G (850/1900/2100MHz) network support
- Internal & **Hot-Swappable battery**: 2 x 1530mAh (up to 8hrs operation)
- **Ergonomically and interchangeable** integrated options, such as **1D/2D barcode reader**, **COM/Ethernet module** and **Magnetic Swipe/Smart Card reader**.
- **IP65** dust and water-proof
- Operational temperature from **-20°C to +60°C**





RTC-700 Integrated Accessories



COM/Ethernet



Barcode Scanner



Easy to interchange and design a custom module (e.g. fingerprint, UHF RFID)



Smart Card



Swipe Card



NFC / RFID



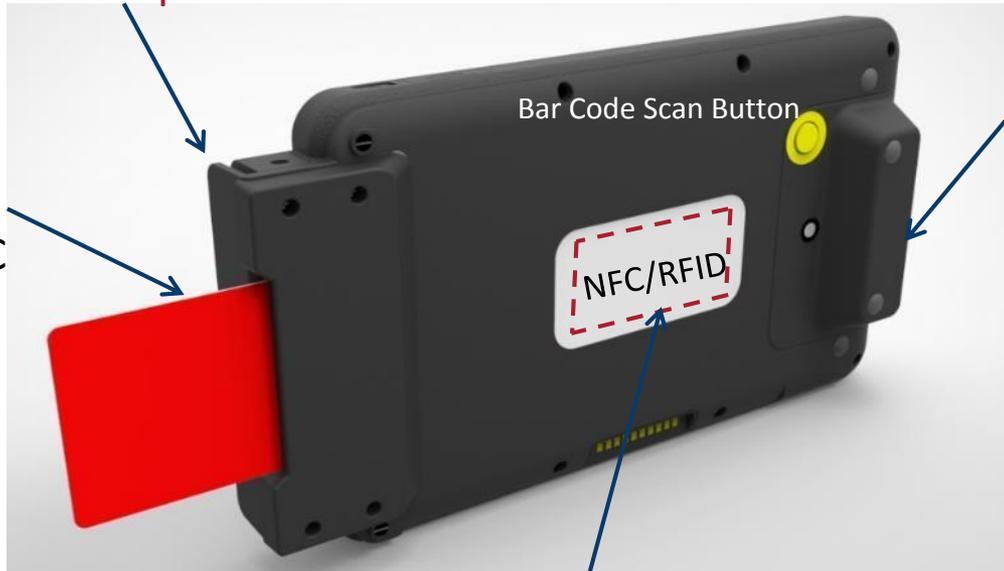
I/O Module Ethernet/USB/COM



RTC-700 integrated peripheral options



3-Track Magnetic Stripe Reader



Bar Code Scanner

- Opticon CMOS sensor
- 1D Barcodes:
Code 39/128,
EAN/UPC,
Codabar, IF2/5,
GS1 Databar, etc.
- 2D Barcodes:
(Micro)PDF417,
(Micro)QR code,
Data Matrix, Aztec,
etc.

OR I/O Module

- 1 x COM
- 1 x Ethernet

Smart Card Reader

EMV Level 1, PC/SC 2.0, MS WHQL. US FIPS Part 201. T1/T0 Protocol, ISO7816 Class A/B/C, Support I2C memory cards via external EEPROM

NFC/RFID Reader

NFC-IP-1, ISO14443, Type A/B, ISO15693, Felica, MiFare 1k, 4k (13.56MHz)



RTC-700 External Accessories



Vehicle Mounting Arm

Vehicle DC-DC Charger



**External GPS Antenna
(Project-based)**

OTG USB Cable



**Carry Bag
(non-SCR/BCR/IO
models)**



Battery charger for up to 4 batteries

Docking station

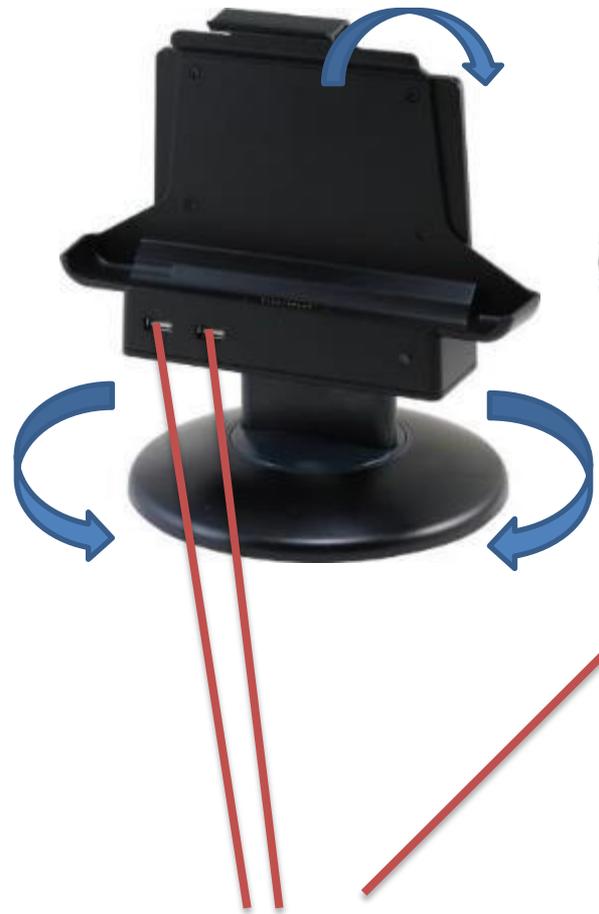


Hand strap (all models)





RTC-700 Docking Station



4 x USB 2.0



RJ45 Ethernet DB9 COM-port

VESA 75
mounting
possibility





Application Markets



**Material Handling /
Warehousing**



Construction



**Law Enforcement &
Public Safety**



Transportation



Industrial Field Service

**&
MORE**



Application Examples



Application Example 1: Logistics/Warehousing



Voice picking / scanning goods in warehouse

Requirements

- **Barcode/RFID Reader for product identification**
- **Bluetooth communication for voice-picking**
- **Designed for harsh environments/temperatures**
- **Water resistant (e.g. rain, snow)**
- **High-res camera with flash to record possible freight damages**
- 810G Shock / Drop
- Anti-Scratch Touch Glass
- Real-time data transfer
- Wide input power supplies (10-24V) available to operate from forklift electrical supply
- Excellent wireless communications



*Deliver package; sign
and scan for proof of
delivery*



Using GPS for optimal route information



Application Example 2: Industrial Field Service

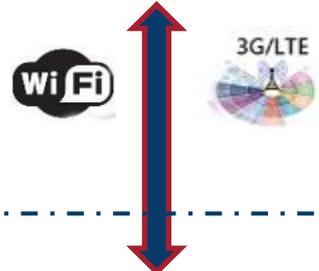


Requirements

- Designed for harsh environments/temperatures
- Vibration/Water resistant
- **Legacy COM-port and Ethernet port to use RTC as Mobile HMI**
- **Barcode/RFID/Card Reader for machine/personnel identification**
- Real-time data transfer
- Excellent wireless communications
- Anti-Scratch Touch Glass



Data Center
Information Center
Control Center
Service Center



Barcode Scanner Multi-Sensor

Smart Card



Application Example 3: Transportation



Requirements

- Designed for harsh environments/temperatures
- **Vibration resistant (e.g. bad roads)**
- **Ethernet/COM port to connect to In-Vehicle PC**
- **Barcode/RFID Reader for (e)Ticket Verification**
- Real-time data transfer
- Excellent wireless communications
- Optional external GNSS antenna for remote locations
- Anti-Scratch Touch Glass



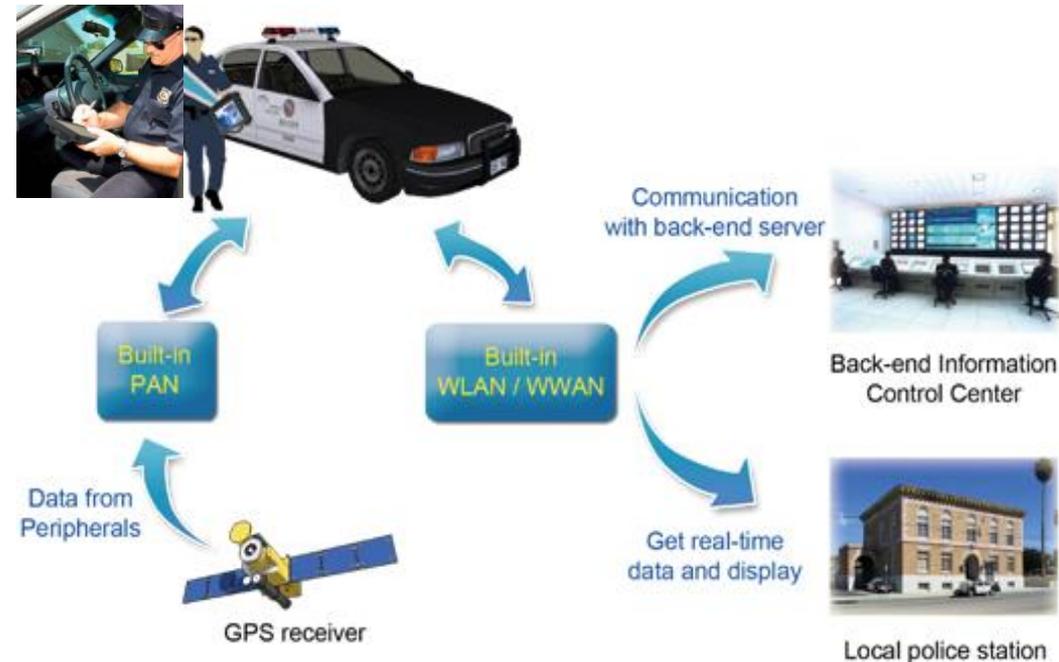


Application Example 4: Law Enforcement



Requirements

- **High-res camera with flash for “first on the scene” accident / crime-scene pictures**
- **NFC/Smart/Swipe Car Reader for personnel identification**
- **Bluetooth communication for Ticket printing**
- Designed for harsh environments/temperatures
- Vibration/Water resistant
- Real-time data transfer
- 810G Shock / drop resistant
- Excellent wireless communications
- Completely versatile vehicle based computer system





Application Example 5: Fleet/Asset Management Solution



Requirements

- No manual measurements
- **Vibration resistant (e.g. bad roads)**
- **High-res camera with flash to record possible freight damages**
- **Ethernet/COM port to connect to In-Vehicle PC**
- No extra placement and pick-up
- Excellent wireless communications
- Optional external GNSS antenna for remote locations





Thank You

