

IMT-BT

Industrial Mobile Tablet with Dual-Core Intel® Celeron® System-on-Chip

Features

- Dual-core Intel® Celeron® Processor N2807 SoC @ 1.58GHz
Operating Systems:
 - Windows Embedded 8.1
 - Android 4.4.2
- 10.1" sunlight readable display with Gorilla Glass, capacitive touchscreen
- Wireless Connectivity:
 - WLAN: IEEE 802.11 a/b/g/n/ac
 - WPAN: Bluetooth 4.0
 - WWAN (optional): 3.5G HSPA+, 4G LTE
- GPS, E-compass, G-sensor
- Data Capture: HF 13.56MHz NFC RFID, SAM encryption supported
- IP65 rating and 1.5m drop resistance (with optional protective rubber housing)



Specifications

Physical Characteristics

Dimensions	291 x 198 x 23 mm (L x W x T)
Weight	1.2 kg
Expansion slot	Full-size SD slot x1
SIM with SAM	SIM slot x 1
Status LEDs	Power/Wireless status LEDs
Buttons	Power Button x 1 Programmable buttons x4
Battery	7.4V/6300 mAh Li-ion
Speaker	2W speaker x1
Microphone	x1
Headset	Stereo earphone jack x1
USB	USB 3.0/2.0 x1
Display Output	HDMI x1
G-sensor	3-axis, 2g, at least 8-bits accuracy
E-Compass	3-axis, at least 8-bits accuracy

Performance Characteristics

Processor	Dual-core Intel® Celeron® Processor N2807 SoC @ 1.58GHz (formerly "Bay Trail-M")
Memory	4GB DDR3 1333 MHz
Storage	64GB mSATA on board
Operating system	Windows Embedded 8.1 (default); Windows 10 (by project) Android 4.4.2 (Kit Kat, available Q2 2016)

Data Capture

RFID	HF 13.56MHz, NFC 18092, 14443A/B, 15693 SAM encryption supported
Camera	2MP camera on front, 5MP on rear (with flash)

Wireless

WLAN	IEEE 802.11 a/b/g/n/ac (combo Mini PCIe half-size card)
WPAN	Bluetooth 4.0 (combo Mini PCIe half-size card)
WWAN (optional)	3.5G HSPA+, 4G LTE (Mini PCIe card optional)

Working Environment

Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Charging Temperature	0°C to 40°C
Humidity	10% to 90%, non-condensing
Drop Resistance	1.2m
Ingress Rating	IP65

Display Characteristics

Size	10.1" TFT LCD display with Gorilla Glass
Resolution	1280 x 800 pixels (WXGA)
Brightness	700 cd/m ²
Touch Sensor	2-point projected capacitive touch (PCT)

Certifications

CE, FCC, EN 60601-1

Mechanical Layout



Ordering Information

Model Name	Part Number	Description
IMT-BT-W	93-D0501-005E	Industrial Mobile Tablet with Intel® Celeron® N2807, DDR3L 4GB, SSD 64GB, Windows® 8.1, BT/Wi-Fi, RFID, GPS, 6300mAh battery
IMT-BT-L	93-D0501-100E	Industrial Mobile Tablet with Intel® Celeron® N2807, DDR3L 4GB, SSD 64GB, Windows® 8.1, BT/Wi-Fi, RFID, GPS, 6300mAh battery with 3G/LTE module and antenna

Packing List

Item	Description
Power Adapter	12V power adapter and EU/US standard power cord
Hand Strap	Silicone hand strap with mounting screws



Hand Strap

Optional Accessories

Product Name	Part Number	Description
Office Dock	93-D0000-001E	Office Dock without adapter
Vehicle Dock	93-D0001-001E	Vehicle Dock, 9V-36V power input with cigarette lighter socket adapter
Protective Rubber Housing	58-80068-0000	Protective rubber housing with mounting screws, support to 1.5m drop resistance



Office Dock



Vehicle Dock



Protective Rubber Housing