

F100



FULLY-RUGGED YOUR VERSATILE COMPANION

10.1" Windows® Fully Rugged Tablet Intel® Core™ i5-7300U

Featuring a dual battery design, F100 is optimized for long working hours. Two batteries have 66.6Wh(33.3Wh each) in total. Additionally, users can conveniently check battery capacity without installing it in the device.

For added convenience, F100 offers a user-replaceable expansion port (RJ45/RS232/USB) as an emergency replacement part, ensuring easy and quick replacement.

F100 is designed to excel in various usage scenarios, offering a range of 10 accessories to enhance its versatility. With these accessories, F100 becomes a true all-rounder, adapting to different environments and optimizing productivity.

Optional reliable data security module, F100 support Trusted Platform Module (TPM v2.0).

Key Features

- Windows® 10 IoT Enterprise, Intel® Core™ i5-7300U
- 10.1" 1920 × 1200 resolution
- Dual replaceable batteries, hot-swappable
- Sunlight-readable(800 nits), wet & glove-friendly touch
- 8GB LPDDR4X, 128GB SSD
- IP65 protection, 1.2m drop, MIL-STD-810H
- Expansion ports of RJ45/USB2.0/RS232
- Wi-Fi, BT v5.1, optional 4G LTE
- Built-in GPS
- Optional TPM v2.0
- Complete Accessory Package to facilitate your work

Operating System

- Windows® 10 IoT Enterprise SAC 64 bit

Processor

- Intel® Core™ i5-7300U, 2.6 GHz up to 3.4 GHz

Memory & Storage

- 8 GB DDR4 SDRAM
- 128 GB SSD
 - Optional 256 GB SSD
 - Optional 512 GB SSD

Display

- 10.1" 1920 x 1200 resolution
- Support wet & glove modes with capacitive 10-point touch
- 800 nits typical
- Direct bonding

Sensors

- Ambient light sensor
- Accelerometer

Audio

- 1 x 3.5 mm audio combo jack
- Built-in microphone
- 95db speaker (10 cm, 1 kHz)

Camera

- 8 MP rear camera with autofocus and flashlight
- 2 MP front camera

Interface

- 1 x USB3.1 Type-A, 1 x USB3.1 Type-C
- 1 x Micro HDMI 2.0 Type D
- 1 x Nano SIM card slot
- 1 x DC Jack 19V
- 1 x Micro SDXC (Max: 1TB) slot
- Docking connector 35-pin
- Buttons
 - 1 x Power
 - 1 x Home
 - 2 x Screen brightness +/-
- Status indicators
 - 1 x Power
 - 1 x Hard disk drive
 - 1 x Battery 1
 - 1 x Battery 2
 - 1 x Front camera
- Expansion slot
 - RS232
 - RJ45 + USB2.0
- Kensington lock

Dimension & Weight

- 273.0mm L x 194.0mm W x 23.5mm D/10.8" L x 7.6" W x 0.9" D
- 1.2kg/2.5lbs

Power

- 2 x 7.6 V, 4050mAh typical, hot-swappable
- Not less than 12 hours working time (2 batteries, JEITA 2.0)
- AC/DC adapter: Input AC 100-240V 50/60 Hz; Output DC 19V, 3.42A

Wireless Connectivity

- Wi-Fi (WLAN)
 - 802.11 a/b/g/n/ac 2.4, 5 GHz
- Cellular (WWAN)
 - 4G LTE Global version (optional)
- BT (WPAN)
 - v5.1
- GNSS
 - GPS
 - Galileo
 - BeiDou
 - GLONASS

Security

- Optional TPM v2.0

Environment & Ruggedness

- Operating temperature
 - 20°C to 55°C/-4°F to 131°F
- Storage temperature
 - 30°C to 70°C/-22°F to 158°F
- Humidity
 - 0% to 95% non-condensing
- Sealing
 - IP65
- MIL-STD-810H Method 516.8 1.2m/4'
- MIL-STD-810H Method 514.8 Procedure I
- RuggedGuard+ design¹

Certifications

- FCC
- CE, RoHS2
- WEEE

Optional Accessory

- Office Dock
- Battery Charger
- Hand Strap
- Shoulder Strap
- VESA Mounting
- Vehicle Cradle
- RS232 Module
- RJ45 & USB Module

Notes

1. RuggedGuard+: Rugstorm's unique structural design, based on one-piece magnesium-aluminum alloy internal frame plus detachable shell, which help for upgrading the ruggedness and improving the heat dissipation.