

# F101



## **FULLY-RUGGED** YOUR VERSATILE COMPANION

### 10.1" Windows® Fully Rugged Tablet Intel® Core™ i5-1235U

Powered by the 12th Gen Intel® CPU and Windows® 11 IoT Enterprise OS, F101 delivers exceptional computing power for multitasking in tough conditions.

With 16GB + 1TB SSD storage and a high-capacity battery, it meets the demands of industrial applications and long working hours.

It offers multiple extension ports for complex tasks, including user-replaceable RJ45/RS232/USB2.0 module and 35-pin pogo-pin + office dock (RJ45/HDMI/DC jack).

Designed for portability, it comes with optional lifting handle, hand-strap, and shoulder strap for different scenarios.

For enhanced enterprise data security, it features a built-in Trusted Platform Module (TPM v2.0) security.

### Key Features

- Windows® 11 IoT Enterprise, Intel® Core™ i5-1235U
- 10.1" 1920 × 1200 resolution
- Sunlight-readable (800 nits), wet & glove-friendly touch
- 16GB LPDDR5, 256G SSD (Optional 1TB SSD)
- IP66 protection, 1.2 drop, MIL-STD-810H
- Expansion port of RS232
- Wi-Fi 6E, BT v5.2, optional 4G LTE
- Built-in GPS
- Trusted Platform Module (TPM v2.0)
- Complete Accessory Package to facilitate your work

Download the Accessory Guide F101 on [www.rugstorm.com/download](http://www.rugstorm.com/download)

## Operating System

- Windows® 11 IoT Enterprise SAC 64 bit

## Processor

- Intel® Core™ i5-1235U, 3.3 GHz up to 4.4 GHz

## Memory & Storage

- 16 GB LPDDR5
- 256G SSD  
- *Optional 1TB 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

- Built-in microphone
- 95db speaker (10 cm, 1 kHz)

## Camera

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

## Interface

- 2 x USB3.2 Type-A
- 1 x USB3.2 Type-C
- 1 x HDMI 2.0 Type A
- 1 x Micro SDXC (Max: 1TB) slot
- 1x Type-C (charging only, 20V/3.25A)
- 1 x DC Jack 19V
- 1 x RJ45
- 1 x USB2.0 Type-A
- 1 x Nano SIM card slot
- Docking connector 35-pin
- Buttons (programmable)
  - 1 x Power
  - 1 x Home (default)
  - 1 x Touch Flashlight (default)
  - 2 x Volume +/- (default)
  - 2 x Screen brightness +/- (default)
- Status indicators
  - 1 x Power
  - 1 x Hard disk drive
  - 1 x Battery
  - 1 x Front camera
- Kensington lock

## Dimension & Weight

- 268.5mm L x 191.0mm W x 22.4mm D/10.5" L x 7.5" W x 0.88" D
- 1.2kg/2.5lbs

## Power

- 11.01V, 6000mAh typical, hot-swappable
- Not less than 10 hours working time (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/ax 2.4, 5, 6GHz
  - support Wi-Fi 6E
- Cellular (WWAN)
  - 4G LTE Global version (optional)
- BT (WPAN)
  - v5.2
- Optional GNSS
  - GPS
  - Galileo
  - BeiDou
  - GLONASS

## Security

- TPM v2.0

## Environment & Ruggedness

- Operating temperature
  - -20°C to 60°C/-4°F to 140°F
- Storage temperature
  - -40°C to 70°C/-40°F to 158°F
- Humidity
  - 0% to 95% non-condensing
- Sealing
  - IP66
- MIL-STD-810H Method 516.8 1.2m/4'
- RuggedGuard+ design<sup>1</sup>

## Certifications

- FCC
- CE, RoHS, REACH
- IC
- TELEC, JATE, VCCI
- WEEE

## Optional Accessory

- Office Dock
- Battery Charger
- Hand Strap
- Shoulder Strap
- RS232 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.