FLYTECH

M285

Fully Rugged Tablet

MIL-STD 810H Certified
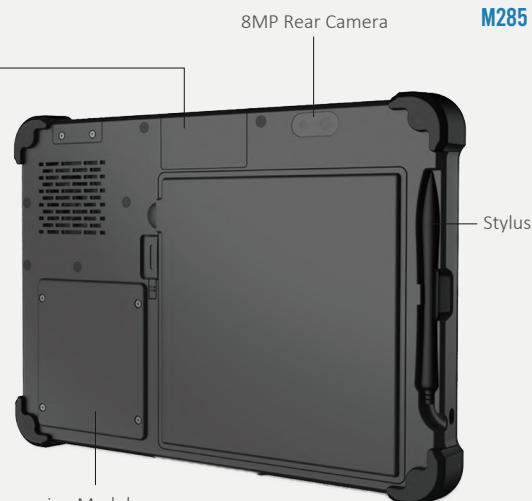
MIL-STD 461G Certified

IP65 Rating

1.2M DROP PROTECTION*

- Integrated with the latest **Intel® Tiger Lake UP3** processor
- 10" FHD display with Gorilla® Glass for impact-resistant and scratch-resistant
- 800nits sunlight readable display
- Wide temperature range from -29°C~60°C
- Real-time geospatial data collection
- Battery swappable technology
- Expansion modules for flexible user configurations

* Drop test results vary from configurations and optional accessories

M285

8MP Rear Camera

LED Indicator

Mic

2MP IR Camera
(support Windows Hello)

Home

Touch Mode Switch

Volume Up

Volume Down

Programmable Button

Programmable Button (2D trigger)

Power On/Off

Speaker

Docking Connector

Nano SIM/MicroSD/
Expansion GPS Antenna

USB3.0/HDMI/Audio Jack/
Charging Connector

Expansion Modules:
2D Scanner
USB3.0 Port
LAN Port
COM Port

Stylus

Expansion Modules:
RFID Reader/Smart Card Reader

SPECIFICATIONS

System	Motherboard	F8B
	Processor	Intel® Tiger Lake UP3 Celeron 6305E / i5-1135G7
	Memory	DDR4 4G (Celeron 6305E), DDR4 8G (i5-1135G7)
	Storage	128G M.2 SSD (Celeron 6305E), 256G M.2 SSD (i5-1135G7)
	Supported OS	Windows 10 IoT Enterprise
Display	Size	10.1" IPS LCD
	Resolution	1920 x 1200
	Brightness	800 nits
	Bonding Method	Direct Bonding
	Touch Screen	PCAP 10-point multi-touch - Support glove mode, rain mode, hand mode - Anti-reflective, anti-glare screen options - Gorilla glass
External I/O Ports	USB Tpye-A	1x USB 3.1
	Audio Jack w/ Mic	1
	Mic (built-in)	1
	DC Charging Connector	1
	HDMI	1
	SIM Card Slot (NANO type)	1
	MicroSD Card Slot	1
Control / Indicator	Tablet Button	7 (1x power, 1x home, 1x touch mode switch, 2x volume, 2x programmable buttons)
	Sensor	G-sensor, Gyro, Light sensor, Digital compass
	Vibration	Vibration motor
	LED Indicator	1 (Power / Battery)
Camera	Front Camera	2MP IR camera supports Windows Hello
	Rear Camera	8MP w/ LED flash
Audio	Speaker	1x 2W
Wireless Networking	Wi-Fi / BT	Wi-Fi 6, 802.11 a/b/g/n/ac/ax/r/k/v fast roaming, BT5.2
	LTE	Sierra EM7411 / EM7421
	GNSS	NEO M8Q
	Antenna Pass-through	High-gain antenna GNSS pass-through (GPS)
Battery & Power	Battery	11.4V / 4630mAh 52W Li-polymer (3S1P)
	Hot-Swap Backup Battery	3.7V 1100mAh
	Power Adapter	19V / 2.36A 45W
Expansion Modules (option)	2D Scanner	Honeywell N4680 & EX30 long distance
	COM Port	1
	USB3.0 Port	1
	LAN Port	1
	※ 2D Scanner, COM port, USB3.0 port and LAN port are mutually exclusive options.	
	RFID Reader	MTI UHF 900MHz (by project)
	Smart Card Reader	Smart Card Reader (by project)
	※ RFID Reader and Smart Card Reader are mutually exclusive options.	
Accessories (option)	Stylus	Active, 1.8mm
	Hand Strap	Yes
	Vehicle Dock	Yes (by project)
	Office Dock	Yes (by project)
	Battery Charging Cradle	3 bay battery charging cradle
Weight	Weight	<1300g
Dimension	Dimension	275.8 x 199.7 x 26.5 mm

ENVIRONMENTAL TESTING

Certificate (Environment)

Temperature
-29℃~60℃ (Operating in DC mode)
-10℃~50℃ (Operating in battery mode)
0℃~40℃ (Boot up)

High Temperature Test
MIL-STD-810H, Method 501.7, Procedure I (Storage)
MIL-STD-810H, Method 501.7, Procedure II (Operation)
MIL-STD-810H, Method 501.7, Procedure III (Standby to Operational)

Low Temperature Test
MIL-STD-810H, Method 502.7, Procedure I (Storage)
MIL-STD-810H, Method 502.7, Procedure II (Operation)

Temperature Shock Test
MIL-STD-810H, Method 503.7, Procedure I-C

IP
IP65

Drop Test
MIL-STD-810H, Method 516.8, Procedure IV

Shock Test
MIL-STD-810H, Method 516.8, Procedure I

Vibration
MIL-STD-810H, Method 514.8, Procedure I

Altitude
MIL-STD-810H, Method 500.6, Procedure I (Storage)
MIL-STD-810H, Method 500.6, Procedure II (Operation)

EMC
MIL-STD-461G

※ PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE ※

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