



# Rugged Mobile Computer Product Catalog



Product Summary						
Rugged Handheld	Model	Size	CPU	OS	Page	IP Grade
	TM05-Q00-10001	5"	ARM Octa-Core	Android 11	2	IP65
	TM06-Q14-10001	6.56"	ARM Octa-Core	Android 14	3	IP68
	TM06-J00-10001	6.5"	Intel Jasper Lake Quad-Core	Windows 10/11	4	IP67
Rugged Tablet	TM08-J00-10001 Windows TM08-Q00-10002 Android	8"	Intel Jasper Lake Quad-Core / ARM Octa-Core	Windows 10/Android 12	5	IP65
	TM10-N00-10001 Windows TM10-Q18-10001 Android	10.1"	Intel Alder LAKE N100/ARM Octa-Core	Windows 11/Android 14	6	IP65
	TM10-J00, TM10-512, TM10-712	10.1"	Intel Jasper Lake Quad-Core / Intel Alder Lake	Windows 11/10	7	IP65
	TM10-J17, TM10-J17 (EX), TM10-Q17 (EX)	10.1"	Intel Jasper Lake Quad-Core / ARM Octa-Core	Windows 11,10/Android12,14	8	IP65
	TM12-J00, TM12-512, TM12-712	12.2"	Intel Jasper Lake/Intel Alder Lake	Windows 11/Windows 10	9	IP65
	TM14-U25, TM14-512, TM14-71	14"	Intel Core™ Ultra/Alder Lake i5/i7	Windows 11/10	10	IP65
	TB14-U25, TB14-512, TB14-712	14"	Intel Core™ Ultra/Alder Lake i5/i7	Windows 11/10	11	IP65
Rugged Notebook	TB15-U25, TB15-512, TB15-712	15.6"	Intel Core™ Ultra/Alder Lake i5/i7	Windows 11/10	12	IP65
In-Vehicle PC	TV10-J00, TV10-Q00	10.1"	Intel Jasper Lake Quad-Core / ARM Octa-Core	Windows 11/Android 12	13	IP65



Product specifications, pictures and other information are for reference only.  
The appearance is subject to the material object. This instruction is subject to change without notice.



## Product Features:

- Support Android 11
- Battery detachable
- Optional 2D
- Support GPS, Beidou, Glonass
- IP65 Grade
- Various accessories are available

## Processor Solution:

Model	Performance Parameter
TM05-Q00-10001	ARM OCTA Core CPU   Android 11/11 GMS   4GB RAM   64GB ROM

## Specification

Basic Parameter	Dimension	157.4 x 74.6 x 24.2 mm
	Weight	260 g
	Device Color	black
	LCD	5" IPS 16:9, 720*1280, 350 nits
	Touch Panel	5 point capacitive, G+FF, Corning gorilla glass
	Camera	Front 5.0MP, Rear 13.0MP, Automatic focusing, PDAF support
Battery	I/O	TF Card x 1, MAX 128GB SIM Card x 1 Micro USB 2.0 x 1 Pogo Pin (Base Charge) x 1 Φ3.5mm standard earphone jack x 1
	Power	AC100V ~ 240V, 50Hz/60Hz, DC 5V/2A
	Capacity	3.8V/4000mAh
Communication	Type	Removable polymer lithium battery
	Endurance	10.5hrs
	GNSS	GPS, Glonass, Beidou(G+G+B)
Reliability	WIFI	2.4G+5G, WIFI 802.11(a/b/g/n/ac), Support AP seamless roaming
	Bluetooth	BT 5.0 LE, Transmission distance: 10m
	2G/3G/4G (Optional)	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TDS: B34/B39 FDD: B1/B2/B3/B4/B5/B7/B8/B13/B17/B20/B28AB TDD: B38/B39/B40/B41
	NFC	Built-in, 13.56MHz, Support ISO/IEC 14443A/B15693/18092/mifare protocols Card reading distance: 4cm
2D	Operate Temperature	-10 °C ~ 50 °C
	Store Temperature	-20 °C ~ 60 °C
	Humidity	95% Non-Condensing
Support	IP Grade	IP65
	Support	Optical resolution: 5mil/ scan speed: 50 times/s

## Accessories:



Lanyard



Docking Charger



Hand Clip holder



Removable Battery





## Product Features:

- Helio G99 octa-core CPU with the latest Android 14 OS
- 6.56" incell screen, supports wet hand and glove touch
- Front 32MP Ultra HD lens, 48MP Samsung Main Camera
- Professional 1D/2D scanning engine, reading distance up to 10 meters;
- 5800mAh battery, supports reverse charging mode
- Powerful speakers with Smart PA technology, perfect for outdoor use;
- IP68 Rating, drop resistance up to 1.5 meters

## Processor Solution:

Model	Performance Parameter
TM06-Q14-10001	ARM OCTA Core CPU/ Android 14/ GMS 8GB RAM   128GB

## Specification

Basic Parameter	Dimension	170.2x80.7x14mm
	Weight	311g
	Device Color	Black
	LCD	6.56 inch IPS 20:9, 720*1612, 670 nits
	Touch Panel	5-5-point capacitive screen, G+G
	Camera	Front 32MP, Rear 48MP Rear Secondary Camera 8MP
	I/O	Type-C x 1 SIM card x1 / TF card x1 Pogo Pin x 1
Battery	Power	33W Fast Charger Adapter
	Capacity	3.85V/5800mAh
	Type	Built-in Polymer Lithium-ion Battery
Communication	Endurance	17hrs
	GNSS	GPS/Beidou/Galileo/GLONASS
	WIFI	Frequency 2.4G+5.0G Dual-band WIFI, WIFI 802.11(a/b/g/n/ac)
	Bluetooth	BT5.1
Reliability	4G	GSM(B2/3/5/8)+WCDMA(B1/2/4/5/8)+ TDD(B34/38/39/40/41)+FDD(B1/2/3/4/5/7/8/12/13/17/ 18/19/20//25/26/28A/28B/30/66)
	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
Data Acquisition	IP Grade	IP68
	2D	Optical resolution: 5mil, scan speed: 50 times/s
	NFC	Supports ISO18092, ISO14443 A/B, ISO15693 protocols, Mifare compliance, Card reading
	distance from 0 to 4 cm	Frequency:13.56MHz
	Fingerprint	Power On/Off & Fingerprint 2-in-1

## Accessories:



Hand-strap



Hand Clip holder



Docking Charger



Scanning Trigger



## Product Features:

- Supports Windows 11/10 OS
- Front and rear dual cameras
- Supports multiple communication methods
- 7.4V/4000mAh high-voltage large-capacity battery
- GPS, Glonass multi-navigation positioning systems
- Supports NFC, professional barcode scanning engine module
- IP67-grade waterproof and shockproof

## Processor Solution:

Model	Performance Parameter
TM06-J00-10001	Intel Celeron N5100 CPU   Windows 10/11   8GB RAM   128GB ROM

Specification		
Basic Parameter	Dimension	183.1x 88.6x24.1mm
	Weight	470g
	Device Color	black
	LCD	6.5 inch IPS 20:9, 1600x720, 500nits
	Touch Panel	5 point G+F+F capacitive touch screen Corning® Gorilla® Glass
	Camera	Front 5.0MP Rear 8.0MP automatic focusing
	I/O	TYPE-C 2.0x1 OTG, Standard USB-A Port/Data Transmission (3.0) TFx1, Max 512GB, Nano-SIM * 1 Pogo Pin x1
Battery	Power	PD Fast Charger Adapter
	Capacity	7.4V/4000mAh
	Type	Li_polyment, removeable battery
Communication	Endurance	6hrs
	GNSS	GPS+Glonass
	WIFI	2.4G+5.8G , Wi-Fi 802.11(a/b/g/n/ac)
	Bluetooth	BT5.0(BLE) Transmission distance: >10m
	2G/3G/4G	LTE FDD: B1/B3/B7/B8/B20 LTE TDD: B40 WCDMA: B1/B5/B8 GSM: 900/1800
Reliability	NFC	Support, 13.56MHz, Support ISO/IEC 14443A/14443B/15693/18092/ mifare protocols, Card reading distance: 3-5cm
	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
2D	IP Grade	IP67
	Support	Optical resolution: 5mil/ scan speed: 50 times/s

## Accessories:



Hand-strap



Hand Clip holder



Docking Charger



## Product Features:

- Optional 2D
- Support GPS, Glonass
- Optional NFC
- IP65 Grade
- Optional 4G

## Processor Solution:

Model	Performance Parameter
TM08-J00-10001	Intel Celeron N5100 CPU   Windows 10   8GB RAM   128GB ROM
Model	Performance Parameter
TM08-Q00-10002	ARM OCTA Core CPU   Android 14/12 (GMS)   8GB RAM   128GB ROM

Specification		
Basic Parameter	Dimension	236.7 x 155.7 x 20 mm
	Weight	910 g
	Device Color	black
	LCD	8" TFT 16:10, 1200*1920 (EM-I87J Optional 800*1280), 550nits (EM-I87J Optional 700nits)
	Touch Panel	5 point capacitive touch screen
	Camera	Front 5.0MP, Rear 8.0MP, auto focus, with flashlight function (EM-I87J), Front 5.0MP, Rear 13.0MP (EM-T87X)
Basic Parameter	I/O	Three in one card holder Micro SD Card, Nano-SIM Card USB3.0 *1, Type C 3.1 *1 (EM-I87J) USB 2.0*1, Type-C *1 (EM-T87X), HDMI 1.4a x 1 (EM-I87J) 12pin Pogo Pin x 1 Φ3.5mm standard earphone jack x 1
	Power	PD Fast Charger Adapter (EM-I87J) DC 5V/3A (EM-T87X)
Battery	Capacity	7.6V/5000mAh (EM-I87J), 3.8V/5000mAh (EM-T87X)
	Type	Removable polymer lithium battery
	Endurance	7hrs (EM-I87J), 9hrs (EM-T87X)
Communication	GNSS	GPS, GLONASS (EM-I87J) GPS/GLONASS/BEIDOU/Galileo/QZSS/SBAS (T87X)
	WIFI	2.4G+5.8G, WIFI 802.11(a/b/g/n/ac)
	Bluetooth	BT 5.0 (EM-I87J) BT 5.1 (EM-T87X)
	4G (Optional)	LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40, GSM: 900/1800 WCDMA: B1/B5/B8, Optional EC25-AF, 750-VA, 750-VSA (EM-I87J) GSM: B2/3/5/8, WCDMA:B1/B2/B5/B8, TDD:B38/B39/B40/B41, FDD:B1/B2/B3/B4/B5/B7/B8/B17/B20/28A/28B (EM-T87X)
Reliability	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
Data Acquisition	IP Grade	IP65
	NFC	Optional, 13.56MHz, Support ISO/IEC 14443A/14443B/15693/18092/mifare protocols Card reading distance: 4 cm
	2D	Optional, Optical resolution: 5mil/scan speed: 50 times/s

## Accessories:



Hand-strap



Docking Charger



Vehicle Mount



TP Resist film



Quad Charging





## Specification

Basic Parameter	Dimension	274.9x 188.7x 22.2mm
	Weight	1140g (I18N), 1020g (Q185M)
	Device Color	Black
	LCD	10.1" IPS 16:10, 1200*1920, 1000 nits
	Touch Panel	10-point capacitive, G+G, Above 7H hardness, Scratch-resistant, COF, Supports glove touch.
	Camera	Front 5.0MP, Rear 8.0MP (EM-I18N) Front 5.0MP, Rear 13.0MP, Supports autofocus with flashlight (EM-Q185M)
Battery	I/O	USB 3.0 x1, Type C x1, Earphone jack x1 TF *1, SIM card *1 (I18N), Nano-SIM x 2/Micro SD x 1 +Nano-SIM x 1 (Q185M) DC 12V 4A Power port (I18N), DC supports 5V/4A charging (Q185M) HDMI *1, 12PIN Pogo Pin *1, RJ45 100M Network port *1
	Power	AC100V to 240V, 50Hz/60Hz Output wall-mount DC 12V/4A (I18N) DC input 100-240VAC 0.5A50/60Hz, DC output 5V/4A (Q185M)
	Capacity	7.6V/5000mAh (I18N), 3.8V/10000mAh (Q185M)
	Type	Removable Li-polymer battery
Communication	Endurance	6.5hrs (I18N), 6hrs (Q185M)
	GNSS	GPS, Glonass (I18N), GPS/ GLONASS/ BDS (Q185M)
	WIFI	WiFi 602.11(a/b/g/n/ac/ax 1x1) frequency 2.4G+5.8G (I18N) Wi-Fi 6E & DBS, IEEE 802.11a/b/g/n/ac/ax, Wi-Fi 2 x 2 MU-MIMO (Q185M)
	Bluetooth	BT5.2
Reliability	2G/3G/4G/5G (Optional)	I18N 4G: European Standard: LTE FDD: B1/B3/B5/B7/B8/B20/B28 LTE TDD B38/B40/B41 Q185M: 5G: SA/NSA: n1/3/5/7/8/20/28/38/40/41/77/78/79 4G: B1/2/3/4/5/7/8/12/17/18/19/20/26/28/32/34/38/39/40/41/42 3G: B1/2/4/5/6/8/19 2G: B2/3/5/8
	Operate Temperature	-20 °C to 60 °C
	Store Temperature	-30 °C to 70 °C
	Humidity	95% Non-Condensing
Data Acquisition	IP Grade	IP65
	NFC (EM-T895/T89)	13.56MHz, Card reading distance: 4cm (I18N: optional, Q185M: standard) Fingerprint: Standard
	2D	Optional, Optical resolution: 3mil, scan speed: 75 times/s
	Extension Module (1 of 3)	USB 2.0 x1/RJ45x1/RS232x1 (Only for I18N)

## Product Features:

- Made of wear-resistant material.
- Supports Windows 11/Android 14 OS.
- 10.1" HD screen with 10-point tempered glass capacitive touchscreen.
- Equipped with enhanced Wi-Fi 6E network.
- TDD and FDD multi-mode.
- Supports both SA and NSA network deployment.

## Processor Solution:

Model	Performance Parameter
TM10-N00-10001	Intel Alder LAKE N100   Windows 11   8GB/16GB RAM   128GB
TM10-Q18-10001	ARM Octa Core   Android 14/GMS   8GB RAM   128GB

## Accessories:



Hand-strap



Docking Charger



Vehicle Mount



Quad-Charging Dock



## Product Features:

- Support Windows 11/10
- Support GPS, Beidou, Glonass
- Optional NFC
- IP65 Grade
- Corning gorilla glass
- Multiple extended function modules

## Processor Solution:

Model	Performance Parameter
TM10-J00	Intel Celeron N5105 2.9GHz CPU   Windows 11   8GB/16GB RAM   128GB ROM
Model	Performance Parameter
TM10-512	Intel Core i5-1235U/i7-1255U CPU   Windows 11/10   16GB RAM   128GB ROM
Model	Performance Parameter
TM10-712	Intel Core i5-1235U/i7-1255U CPU   Windows 11/10   16GB RAM   128GB ROM

## Specification

Basic Parameter	Dimension	289.9 x 196.7 x 27.4 mm
	Weight	1140 g
	Device Color	black
	LCD	10.1" IPS 16:10, 1200*1920, 700nits
	Touch Panel	10 point capacitive, G+G (EM-I10J) G+F+F (EM-I10A),
	Camera	Front 5.0MP, Rear 8.0MP (EM-I10J) Front 2.0MP, Rear 8.0MP (EM-I10A)
Battery	I/O	TF Card x 1 Max 128GB, SIM Card x 1 USB 3.0 x 1, Type C x 1 HDMI 2.0a x 1 (EM-I10J), HDMI 2.1a x 1 (EM-I10A) 12pin Pogo Pin x 1 Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1
	Power	AC100V ~ 240V, 50Hz/60Hz, DC 19V/3.42A
	Capacity	7.4V/860mAh small battery+7.4V/5000mAh large battery
	Type	Double Lithium-ion polymer battery
Communication	Endurance	5.5hrs+30min (EM-I10J), 4.5hrs+30min (EM-I10A)
	GNSS	GPS, Glonass (EM-I10A Optional GPS, Glonass, Beidou)
	WIFI	2.4G+5.8G, WIFI 802.11(a/b/g/n/ac) (EM-I10J), 2.4G+5.8G, WIFI 6 802.11(a/b/d/e/g/h/i/k/n/r/u/ v/w/ac/ax) (EM-I10A)
	Bluetooth	BT 5.0 (EM-I10J), BT 5.1 (EM-I10A) Transmission distance: 10m
Reliability	4G (Optional)	LTE FDD: B1/B3/B7/B8/B20, LTE TDD B40 WCDMA B1/B5/B8 GSM: 900/1800
	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
Data acquisition	IP Grade	IP65
	NFC(Optional)	13.56MHz, Card reading distance: 4cm
Expansion module (One out of four)	Fingerprint	Support
	RJ45	10/100M Ethernet port x 1 (EM-I10J), 10/100/1000M Ethernet port x 1 (EM-I10A)
	DB9	RS232 interface x 1
	USB	USB 2.0 x 1
	2D	Optional, Optical resolution: 5mil/scan speed: 50 times/s

## Accessories:



Docking Charger



Hand-strap



Carry Handle



Removable Battery



Vehicle Mount



Stylus



Quad Charging





## Product Features:

- Optional 2D
- Support GPS, Glonass
- Optional NFC
- IP65 Grade
- Multiple extended function modules

## Processor Solution:

Model	Performance Parameter
TM10-J17	Intel Celeron N5100 CPU   Windows 11/Windows 10   8GB RAM   128GB ROM
Model	Performance Parameter
TM10-J17EX	Intel Celeron N5100 CPU   Windows 11/Windows 10   8GB RAM   128GB ROM
Model	Performance Parameter
TM10-Q17	Qualcomm OCTA Core CPU   Android 14/12 (GMS)   8GB RAM   128GB ROM
Model	Performance Parameter
TM10-Q17RKT	Qualcomm OCTA Core CPU   Android 12   8GB RAM   128GB ROM

## Specification

Basic Parameter	Dimension	274.9 x 188.7 x 23.1 mm
	Weight	1140 g
	Device Color	black
	LCD	10.1" FHD 16:10, 1200*1920 / 800*1280, 400 nits (EM-I17J/I17J-EX), 10.1" FHD 16:10, 1200*1920, 700 nits (EM-T17X/T17X-RTK)
	Touch Panel	10 point capacitive, G+G
	Camera	Front 5.0MP, Rear 8.0MP (EM-I17J/I17J-EX) Front 5.0MP, Rear 13.0MP (EM-T17X/T17X-RTK)
Battery	I/O	Three in one card holder Micro SD Card, Nano-SIM Card(EM-I17J/I17J-EX), SIM x 2/TF卡 x 1 (EM-T17X/T17X-RTK) , Type-C x 1 (EM-T17X/T17X-RTK), Type-C 3.0 x 1 (EM-I17J/I17J-EX), 12pin Pogo Pin x 1, HDMI 2.1a x 1 (EM-I17J/I17J-EX), Φ3.5mm standard earphone jack x 1
	Power	PD Fast Charger Adapter (EM-I17J/I17J-EX)
	Capacity	7.6V/5000mAh(EM-I17J/I17J-EX), 3.8V/10000mAh (EM-T17X/T17X-RTK)
Communication	Type	Removable polymer lithium battery
	Endurance	8hrs (EM-I17J), 9hrs (EM-T17X), 7hrs(EM-T17X-RTK)
	GNSS	GPS+GLONASS(EM-I17J/I17J-EX), GPS+GLONASS+Beidou(EM-T17X) EM-T17X(RTK):BDS: B1I,B2I,B3I, GPS: L1C/A,L2P(W),L5, GLONASS: L1,L2,Galileo: E1,E5b,E5a, QZSS: L1,L2,L5, Single point positioning: 2.5m, RTK: plane: 0.8cm + 1ppm, Elevation: 1.5cm + 1ppm, Data update rate :1Hz/ 10Hz, First cold start positioning time: 30s
	WIFI	2.4G+5.8G, WIFI 802.11(a/b/g/n/ac)
Reliability	Bluetooth	BT5.0 (EM-I17J/I17J-EX), BT5.1 (EM-T17X/T17X-RTK)
	4G(Optional)	LTE FDD: B1/B3/B7/B8/B20, LTE-TDD: B40, WCDMA B1/B5/B8, GSM 900/1800 (EM-I17J/I17J-EX)) GSM B2/3/5/8, WCDMA:B1/2/5/8, TDD B38/B39/B40/B41, FDD B1/B2/B3/B4/B5/B7/B8/B17/B20/B28a&b (EM-T17X/T17X-RTK)
Data Acquisition	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
Expansion Module (One out of three)	IP Grade	IP65
	NFC	13.56MHz, Support ISO/IEC 14443A/B/15693/18092/mifare protocols, Card reading distance: 4cm , support (T17X/T17X-RTK), optional (EM-I17J/I17J-EX)
Expansion Module (One out of three)	2D	Optional, Optical resolution: 5mil/scan speed: 50 times/s
	RJ45	10/100M Ethernet port
	DB9	RS232 interface
Expansion Module (One out of three)	USB-A	USB 2.0

## Accessories:



Hand-strap



Docking Charger



Vehicle Mount



Car Charger



Shoulder-strap



Back-strap



TP Resist Film



Quad Charging



## Product Features:

- Support Windows 10/11
- Support GPS, Beidou, Glonass
- Optional NFC
- IP65 Grade
- Optional 5G
- Multiple extended function modules

## Processor Solution:

Model	Performance Parameter
TM12-J00	Intel Celeron N5105 CPU   Windows 11   8GB/16GB RAM   128GB (removable) ROM
Model	Performance Parameter
TM12-512	Intel Core™ i5-1235U   Windows 11/10   8GB/16GB RAM   128GB Max 512GB ROM
Model	Performance Parameter
TM12-712	Intel Core™ i7-1255U CPU   Windows 11/10   8GB/16GB RAM   128GB Max 512GB ROM

## Specification

Basic Parameter	Dimension	339.3 x 230.3 x 26mm
	Weight	1500g
	Device Color	black
	LCD	12.2 inch FHD 16:10, 1920×1200, 650nits (EM-20J) 12.2 inch IPS 16:10, 1920×1200, 650nits (EM-I20A)
	Touch Panel	5 point G+G capacitive touch screen (EM-20J), 10 point G+G capacitive touch screen, optionally supports glove touch (EM-I20A)
	Camera	Front 5.0MP, Rear 8.0MP, with flashlight (EM-I20J) Front 2.0MP, Rear 8.0MP (EM-I20A)
Battery	I/O	USB 3.0 Type-A x 1, USB Type-C x 1, SIM Card x 1, TF Card x 1, HDMI 2.0a Mini x 1 (EM-I20J), HDMI 2.0a Mini x 1 (EM-I20A), 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1
	Power	AC100V ~ 240V, 50Hz/60Hz, DC 19V/3.42A/65W
	Capacity	7.4V/700mAh, 7.4V/6300mAh (EM-I20J/I20A)
Communication	Type	Double Lithium-ion polymer battery
	Endurance	4.5hrs+30min (EM-I20A), 4hrs+30min (EM-I20J)
	GNSS	GPS/Glonass (EM-I20J), GPS/Glonass, Optional GPS/Beidou/Glonass (EM-I20A)
	WIFI	2.4G+5.8G, WIFI 802.11(a/b/g/n/ac) (EM-I20J) 2.4G+5.8G, WIFI 6 802.11(a/b/d/e/g/h/i/k/n/r/u/ v/w/ac/ax) (EM-I20A)
	Bluetooth	BT 5.0 (EM-I20J), BT 5.0 (EM-I20A)
Reliability	4G/5G (Optional)	4G: LTE FDD: B1/B3/B7/B8/B20 , LTE TDD: B40 WCDMA: B1/B5/B8 , GSM: 900/1800, 5G SA&NSA: LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B28/B32 LTE-TDD: B34/B38/B39/B40/B41/B42 WCDMA: B1/B5/B8 N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79, Optional 5G (EM-I20A)
	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
NFC	IP Grade	IP65
	Optional	13.56MHz, Card reading distance: 4cm
Expansion module (One out of five)	RJ45	10/100M Ethernet port x 1 (EM-I20J), 10/100M/1000M Ethernet port x 1 (EM-I20A)
	DB9	RS232 interface x 1
	USB	USB 2.0 x 1
	2D	Support, Optical resolution: 5mil/scan speed: 50 times/s

## Accessories:



Docking Charger



Hand-strap



Carry Handle



Removable Battery



Vehicle Mount



Stylus



Quad Charging





## Product Features:

- All-new Intel® Core™ Ultra processor
- 14-inch HD&HB screen
- With a dedicated AI engine (NPU)
- Expanded Storage Capabilities
- Thunderbolt 4 Versatile Interface
- 56Wh+14.4Wh dual battery

## Processor Solution:

Model	Performance Parameter
TM14-U25	Intel® Core™ 125H/ 155H   Windows 11/10   16GB/32GB RAM   256GB SSD
Model	Performance Parameter
TM14-512	Intel i5-1235U Windows 11/10   16GB/32GB RAM   256GB/512 Removable
Model	Performance Parameter
TM14-712	Intel i7-1255U   Windows 11/10   16GB/32GB RAM   256GB/512 Removable

## Specification

Basic Parameter	Dimension	366.2x246.9x24.8mm
	Weight	2230 g
	Device Color	Black
	LCD	14" FHD 16:10, 1920*1080, 1000 nits
	Touch Panel	10-Point Capacitive Screen, G+G, Above 7H hardness, Scratch-resistant, Supports glove touch
	Camera	Front 5.0MP, Rear 13.0MP (EM-I14M)
	I/O	TF x 1, SIM card x 1, Earphone jack x 1 USB3.2 x 1, USB2.0 x 2, TYPE-C x 1 HDMI 2.0a mini x 1 RJ45 x 2, RS232 x 1 DC19V/3.78A power port x 1 12PIN Pogo Pin (USB&Base Charger)x 1
Battery	Power	DC input 100-240VAC0.5A50/60Hz,DC19V/3.78A 71.82W
	Capacity	4850mah/11.55V (56WH) +1300mah/11.1V (14.4WH)
	Type	Double Lithium-ion polymer battery
	Endurance	8+1.5hrs
Communication	GNSS	Supports single GPS or single Glonass, default GPS
	WIFI	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
	Bluetooth	BT5.1
	4G/5G (Optional)	LTE-FDD: B1/3/5/7/8/20/28,LTE-TDD: B38/40/41 EM-I14A 5G (Optional) NSA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/ 41/48/66/70/71/75/76/77/78/79 SA n1/2/3/5/7/8/12/13/14/ 18/20/25/26/28/29/30/38/ 40/ 41/48/66/70/71/75/ 76/77/78/79 LTE LTE-FDD B1/2/3/4/5/7/8/ 12/13/14/17/18/19/20/ 25/26/28/ 29/30/32/66/71 LTE-TDD B34/38/39/40/ 41/42/43/48
	Operate Temperature	-20 °C ~ 60 °C
Reliability	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
	IP Grade	IP65
Data Acquisition	NFC	Optional, USB interface, supports ISO14443A, ISO14443B, IOS15693, ISO18092, Felica.
	Fingerprint	Standard, used for power-on login
	2D	Optional, Optical resolution: 5mil, scan speed: 50 times/s

## Accessories:



Removable Battery



Handle





## Product Features:

- Intel® Core™ Ultra 7 processor
- 14-inch HD&HB fully laminated display
- With a dedicated AI engine (NPU)
- Expanded Storage Capabilities
- Thunderbolt 4 Versatile Interface

## Processor Solution:

Model	Performance Parameter
TB14-U25	Intel® Core™ Ultra 7 processor 125H/ 155H   Windows 11/10   32GB/16GB RAM   256GB SSD
Model	Performance Parameter
TB14-512	Intel i5-1235U Windows 11/10   16GB/32GB RAM   256GB removable
Model	Performance Parameter
TB14-712	Intel i7-1255U   Windows 11/10   16GB/32GB RAM   256GB removable

## Specification

Basic Parameter	Dimension	363.2x287x4x42.1mm
	Weight	2950g
	Device Color	Black
	LCD	14" FHD 16:10, 1920*1080, 1000 nits
	Touch Panel	Optional 10-Point Capacitive Screen, G+G, Corning Gorilla Glass, above 7H hardness, Scratch-resistant, Supports glove touch
	Camera	Front 5.0MP
Battery	I/O	TF x 1, SIM card x 1, Earphone jack x 1 USB3.2 x 1, USB3.0 x 1, USB2.0 x 1, TYPE-C x 1 (Supports Thunderbolt 4) HDMI 2.0a mini x 1 RJ45 x 2, RS232 x 1 DC19V/3.78A power port x 1 12PIN Pogo Pin (USB&Base Charger) x 1 Optional
	Power	DC input 100-240VAC 0.5A 50/60Hz, DC19V/3.78A 71.82W
	Capacity	4850mah/11.55V (56WH) + 1300mah/11.1V (14.4WH)
	Type	Double Lithium-ion polymer battery
Communication	Endurance	8+1.5 hrs (EM-X14M7.5) + 1.5hrs (EM-X14A)
	GNSS	Supports single GPS or single Glonass, default GPS
	WIFI	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
	Bluetooth	BT5.1
	4G/5G (Optional)	LTE-FDD: B1/3/5/7/8/20/28, LTE-TDD: B38/40/41 5G NSA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/ 41/48/66/70/71/75/76/77/78/79 SA n1/2/3/5/7/8/12/13/14/ 18/20/25/26/28/29/30/38/ 40/ 41/48/66/70/71/75/ 76/77/78/79 LTE LTE-FDD B1/2/3/4/5/7/8/ 12/13/14/17/18/19/20/ 25/26/ 28/29/30/32/66/71 LTE-TDD B34/38/39/40/ 41/42/43/48
Reliability	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
	IP Grade	IP65
Data Acquisition	NFC	Optional, 13.56MHz, Card reading distance: 4cm
	Fingerprint	Standard, SPI Fingerprint (Power-On Login)

## Six views of product:



## Accessory:

Removable Battery

Quad charging



## Product Features:

- Intel® Core™ Ultra processor
- 15.6-inch HD&HB fully laminated display
- With a dedicated AI engine (NPU)
- Expanded Storage Capabilities
- Intel® Arc™ integrated graphics

## Processor Solution:

Model	Performance Parameter
TB15-U25	Intel® Core™ Ultra 125H/ 155H   Windows 11/10   32GB/16GB RAM   256GB SSD
Model	Performance Parameter
TB15-512	Intel i5-1235U   Windows 11/10   16GB/32GB RAM   256GB removable
Model	Performance Parameter
TB15-712	Intel i7-1255U   Windows 11/10   16GB/32GB RAM   256GB removable

## Specification

Basic Parameter	Dimension	407x305.8x45.5mm
	Weight	3540g
	Device Color	black
	LCD	15.6" FHD 16:10, 1920*1080, 1000 nits
	Touch Panel	Optional 10-Point Capacitive Screen, G+G, Corning Gorilla Glass, above 7H hardness, Scratch-resistant, Supports glove touch
Battery	Camera	Front 5.0MP
	I/O	TF x 1, SIM card x 1, Earphone jack x 1 USB3.2 x 1, USB3.0 x 1, USB2.0 x 1, TYPE-C x 1 (Supports Thunderbolt 4) HDMI 2.0a mini x 1 RJ45 x 2, RS232 x 1 DC19V/3.78A power port x 1 12PIN Pogo Pin (USB&Base Charger) x 1 optional
Communication	Power	DC input 100-240VAC 0.5A 50/60Hz, DC19V/3.78A 71.82W
	Capacity	4850mah/11.55V(56WH)+1300mah/11.1V(14.4WH)
	Type	Double Lithium-ion polymer battery
	Endurance	8+1.5 hrs(EM-X15M), 7.5+1.5 hrs (EM-X15A)
Reliability	GNSS	Supports single GPS or single Glonass, default GPS
	WIFI	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
	Bluetooth	BT5.1
	4G/5G (Optional)	LTE-FDD: B1/3/5/7/8/20/28, LTE-TDD: B38/40/41 5G NSA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79 SA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79 LTE LTE-FDD B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71 LTE-TDD B34/38/39/40/41/42/43/48
	Operate Temperature	-20 °C ~ 60 °C
Data Acquisition	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
	IP Grade	IP65
Data Acquisition	NFC	Optional 13.56MHz, Card reading distance: 4cm
	Fingerprint	Standard, SPI Fingerprint (Power-On Login)
	Keyboard	Standard, US Layout Keyboard with Backlight

## Six views of product:



## Accessory:



Removable Battery



Quad charging





## Product Features:

- Intel Celeron N5100
- ARM OCTA Core
- Windows 11, Android 12 GMS
- Fanless with low consumption
- IP65 of front panel
- DC11~24V

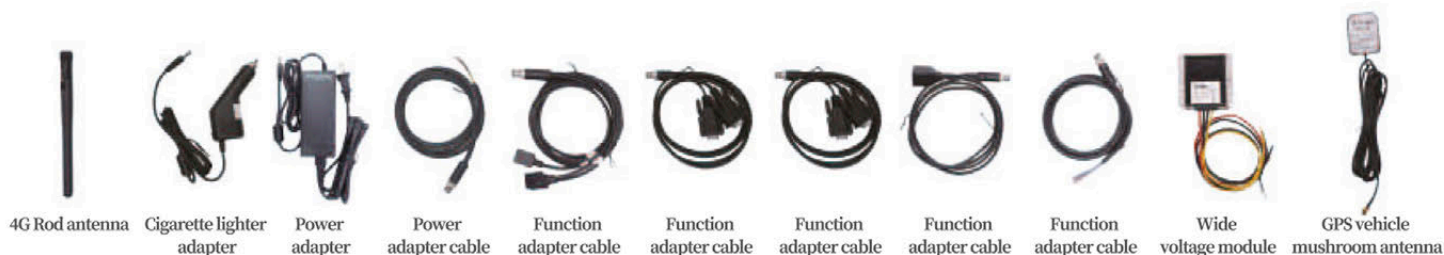
## Processor Solution:

Model	Performance Parameter
TV10-J00	Intel Celeron N5100 CPU   Windows 10 /Ubuntu22.04.4/Ubuntu22.04.6   8GB RAM   128GB ROM
Model	Performance Parameter
TV10-Q00	ARM OCTA Core CPU   Android 12 GMS   4GB RAM   64GB UFS ROM

## Specification

Basic Parameter	Dimension	264.5 x 184.1 x 23.0 mm
	Weight	834 g (V10J), 824g (V10T)
	Device Color	black
	LCD	10.1" HD 16:10, 800*1280, 1000nits
	Touch Panel	5-point tempered glass capacitive screen G+G, hardness 7H
Battery	I/O	Nano-SIM card x 1 (V10J Optional), MICRO-SIM card x 1 (V10T Optional), USB 3.0 Type-A x 1 (V80J), USB 2.0 Type-A x 1 (V10T), RS232 + RS232/RS485 (Optional), Ethernet interface (1000M) (V10J Optional) Ethernet interface (100M) (V10T Optional) USB 2.0x2+USB 2.0(Default) /CANx1 DC input (Input: 11~24V) (EM-V10J), DC input (Input: 12V) (V10T)
	Capacity	3.7V/1000mAh
	Type	Optional small battery
Communication	Endurance	0.5hrs, Switch on and off
	GNSS	GPS+Glonass, Optional Beidou (V10J), GPS+Glonass+Beidou (V10T)
	WIFI	Dual frequency 5.0G+5.8G, WIFI 802.11(a/b/g/n/ac), Support AP seamless roaming (V10T)
	Bluetooth	BT5.0 (V10J), BT5.2 (V10T), Transmission distance: 10m
	4G (Optional)	LTE FDD: B1/B3/B5/B7/B8/B20, LTE-TDD B40 WCDMA: B1/B5/B8, GSM: 900/1800 (V80J), GSM: B2+B3+B5+B8, WCDMA: B1+B2+B5+B8, TD-S: B34+B39 TDD: B38+B39+B40+B41N, FDD: B1+B2+B3+B4+B5+B7+B8+B17+B20+B28a+B28b (V80T)
Reliability	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
	IP Grade	IP65
Data Acquisition	NFC	Optional, 13.56MHz Card reading distance: 4cm

## Accessory:





# Reparaturkosten? Zahlt Garantie -Versicherung!



## Premium-Option

	Gesetzliche Gewährleistung 2 Jahre	Komplettschutz unbegrenzt
Diebstahlschutz	—	✓
Cyberschutz (Schutz vor Missbrauch und Betrug im Internet)	—	✓
Entfall der Selbstbeteiligung in Höhe von 30 EUR (Mobiltelefone)	—	✓
Erstattung von Gesprächs- und Datengebühren durch SIM-Kartenmissbrauch	—	✓
Erstattung der Kosten für eine neue SIM-Karte	—	✓
Folgeschäden an Wäsche, Gefriergut und Möbeln bis zu 600 EUR	—	✓
Leitungsschutz – vom versicherten Gerät bis zum Sicherungskasten	—	✓

## Leistungsumfang

	Gesetzliche Gewährleistung 2 Jahre	Komplettschutz unbegrenzt
Materialfehler	✓	✓
Produktionsfehler	✓	✓
Konstruktionsfehler	✓	✓
Arbeitslohn, Ersatzteile	✓	✓
Fahrt- bzw. Versandkosten	✓	✓
Ersatzleistung bei Totalschaden	✓	✓
Unsachgemäße Handhabung	—	✓
Wasser-/Feuchtigkeitsschäden	—	✓
Überspannung/Elektronikschäden	—	✓
Verstopfung/Fremdkörper	—	✓
Verschleiß/Verkalkung	—	✓
Motor- und Lagerschäden	—	✓
Fall-/Sturzschäden	—	✓
Display-/Panel-/Glaskeramik-Bruch	—	✓
Defekte an Heizelementen	—	✓
Originalzubehör im Hersteller-Lieferumfang	—	✓
Sofortschutz	—	✓
Akkudefekte	—	✓
Datenrettung/-sicherung bei IT-Geräten	—	✓
Aufspielen v. Betriebssystemen bei IT-Geräten	—	✓
TV-Geräte-Einstellarbeiten (ohne Erstinstallation)	—	✓
TV-Software-Updates	—	✓

### Beitrag für die Premium-Option

Elektrisches Gerät mtl. Beitrag	rabattierter Einmalbeitrag			
2,50 €	3 Jahre	48 €	5 Jahre	69 €

Mobiltelefon mtl. Beitrag	rabattierter Einmalbeitrag	
2,50 €	2 Jahre	48 €

### Beitrag für den GARANTIE Komplettschutz

Elektrisches Gerät	mtl. Beitrag	rabattierter Einmalbeitrag	
bis 350 €	3,50 €	99 €	169 €
ab 351 € bis 2.000 €	5,50 €	159 €	249 €
ab 2.001 € bis 10.000 €	8,50 €	249 €	399 €
ab 10.001 € bis 15.000 €	12,50 €	369 €	579 €

Mobiltelefon	mtl. Beitrag	rabattierter Einmalbeitrag	
bis 350 €	5,50 €	99 €	
ab 351 € bis 3.000 €	8,50 €	169 €	

Für private und gewerbliche  
Geräte – egal ob neu,  
gebraucht oder refurbished

**IQ Automation GmbH vermittelt diese Versicherung zwischen unseren Kunden und  
unserem Versicherungspartner!**  
Es gelten die oben genannten Konditionen -  
die Versicherung ist monatlich kündbar!

**→ GARANTIE**  
Einfach. Gut. Geschützt.

Vielen Dank, dass Sie sich diese Rugged -Tablet Übersicht  
durchgesehen haben!

Möchten Sie einen dieser hervorragenden Tablet-PC kennen  
lernen und testen? ..oder ein Angebot zu einem Gerät erhalten?  
Bitte rufen Sie uns an oder schreiben uns ein EMail,  
Wir freuen uns auf Ihre Nachricht!



Germany

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