Rocktab U212

The perfect industrial tablet for high demands

Highlights

- High-end industrial tablet for professional use
- Sunlight readable 11.6" display
- High contrast thanks to optical bonding technology
- Multi-touchscreen with reflection-reducing surface
- Can also be operated with gloves, stylus and in the rain
- TPM 2.0 - hardware tamper protection
- Particularly robust case design, yet only 2.2 cm deep
- Only 1.4 kg weight
- Windows 10 IoT Enterprise operating system
- Shock, vibration and drop resistance according to military standard MIL-STD-810G
- Ideal for harsh environments as it is water- and dust-proof according to IP65
- Hot-swappable battery with up to 76 Wh for more than 14 hours of runtime
- Powerful Intel® Core i5™ and Pentium™ processors
- USB 3.1 Type A and USB 3.1 Type C connection

- High-end u-blox NEO-M8N GPS module and optional 4G LTE
- 2x2 MU-MIMO 802.11ax tri-band WLAN (WiFi 6E certified)
- Seamless roaming of different wireless cells thanks to 802.11r
- Ready for the latest applications thanks to Bluetooth® 5.2
- Up to 16 DDR4 RAM memory and 1 TB SSD storage
- 2 megapixel front and 8 megapixel rear camera integrated
- Optionally with card reader, RFID or barcode scanner
- Input pen with cord and mounting device included
- Micro SDXC card slot
- Docking stations and other accessories available
- Long-term availability
- Climate neutral product: all greenhouse gas emissions from production and transport

Rocktab U212 - Technical Specifications
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Physical Features

Dimensions	300 x 201 x 22 mm
Weight	1.4 kg
Housing	black, non-slip
Battery	■ Hot-swappable 7.7 V / 5,900 mAh (45.4 Wh) lithium-ion battery, runtime approx. 8 hours + 0.5 Wh buffer battery ■ Optional 7.4 V / 10,280 mAh (76 Wh) lithium-ion battery + 0.5 Wh buffer battery
Input voltage	100-240V, 50/60Hz / 19V DC
Buttons	Power, 1 x menu, 3 x programmable function keys
Status indicators	LED display for power, battery, SSD, radio status
Operating temp.	-20° C - 60° C (AC mode), -10° C - 50° C (battery mode)
Storage temp.	-30° C - +70° C
Humidity	90%, non-condensing
Sealing	IP65 Dust and waterproof
Protection against shocks	MIL-STD-810G 516.6 Procedure 1 Functional Shock
Protection from vibration	MIL-STD-810G 514.6 Procedure 1
Drop resistance	1.2m according to MIL-STD-810G

System features

Operating system	Windows 10 IoT Enterprise Value LTSC, Windows 10 Professional
Processor options	■ Intel® Core™ i5-7200U Dual-Core max. 3,1 GHz ■ Intel® Core™ i5-7300U Dual-Core max. 3,5 GHz with Intel® vPro™ ■ Intel® Pentium™ N4200 Quad-Core max. 2,5 GHz
GPU options	■ Intel® HD Graphics 620, DirectX 12 Support ■ Intel® HD Graphics 505, DirectX 12 Support
System memory	64, 128, 256,512 or 1024 GB M.2 SSD
Memory	Max. 8³ / 16 GB SO DIMM DDR4-2133
Display	Anti-Glare 11.6" screen, resolution 1920x1080 pixels, brightness 850 cd/m2, contrast 1000:1, 89° viewing angle from all directions
Touchscreen	Robust capacitive multi-touch screen (10 touch points); hand, rain and glove compatible, Hardness 7H
I/O	1 x USB 3.0 Type C, 1 x USB 3.0 Type A, , docking port, Micro SDXC slot, Micro SIM card slot, Micro HDMI

Communication

WLAN	Intel AX210: WiFi 6E 2x2 MU-MIMO 802.11ax Tri-Band WLAN
WWAN*	4G LTE
Bluetooth	Bluetooth 5.2
Ethernet*	1 x RJ45 10/100/1000 Mbps Intel LAN

Multimedia

Audio	2 x 1 W waterproof speakers, 1 x microphone with noise cancelling, 3.5 mm headset jack
Camera	2 MP front camera / 8 MP rear camera with flash

* = Optional, ² = i5-7300U variant only ³ = Intel Core i5 variants only 4 = Pentium variant only

Data Capture

RFID*	HF RFID reader 13.56 MHz
Smart Card Reader*	Compliant with ISO7816-1.2.3 T=1 and T=Ø protocol
Barcode scanner*	2D Barcodescanner

Other Specifications

Innovative Features	Speed Shift Technology³, Turbo Boost Technology³, vPro™ Platform Qualification², Hyper-Threading Technology³, Virtualization Technology (VT-x), Directed-I/O Virtualization Technology (VT-d), VT-x with Extended Page Tables (EPT), TSX-NI², SSE4.1³, SSE4.2³, AVX2³, Hibernation, Advanced Intel SpeedStep® Technology, Thermal Monitoring Technologies, My WiFi Technology (Tablet acts as an Access Point)³.
Position Detection*	High-end module u-blox Neo-M8N for GPS, Galileo, GLONASS, BeiDou
Sensors	Brightness sensor, tilt sensor, accelerometer, compass
Security	Kensington Lock Support, TPM 2.0*, AES New Instructions, Secure Key, Intel®SGX³, Trusted-Execution-Technik², Execute-Disable-Bit, Intel® OS Guard, Intel® Boot Guard³, BitLocker, Windows Defender Credential Guard, Windows Defender System Guard, Microsoft Defender Advanced Threat Protection (ATP)³, Identity Protection Technik, Secure Boot4, Intel®MPX
Supplied accessories	Power supply, pen
Optional accessories	See accessories catalog
Warranty	2 years warranty, extended warranty available

① Camera	⑥ Micro HDMI	⑪ Power Input
② LED Indicator	⑦ Reset Button	⑫ Micro SD Card Slot
③ Power Switch	⑧ USB Type-C	⑬ Camera
④ Function Button	⑨ USB Type-A	⑭ Touch Pen Slot
⑤ Docking Connector	⑩ Audio	

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