

iQ GUARDIAN

Product Datasheet

MIL-STD Rugged Notebook



Performance

- 11th Gen® Intel® Core™ i7 processor
- New Intel Iris® Xe core graphics card
- Support Windows 11/10 OS

Communication

- High speed Wi-Fi 6
- Support M.2 interface 5G/4G selection
- Bluetooth 5.1 for higher transfer speeds

Function

- 15.6-inch FHD
- Rich interfaces (Dual Ethernet and DB9 RS-232)
- 6300mAh/7.4V+1750mAh/7.4V dual battery, Large battery support hot-swappable

Reliability

- Press fingerprint identification
- IP65 high protection level, 1.22m fall resistant
- In accordance with MIL-STD-81



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Basic parameters		Performance parameter	
Dimension	407 x 305.8 x 45.5mm	CPU	Intel® Core™ i5-1135G7/i7-1165G7
Weight	Device unit 3300g	OS	Windows 11/10
Device Color	Black	RAM	16GB
LCD	15.6 inch FHD 16:9, 1920x1080, 700nits	ROM	256GB/512GB/1TB
Touch Panel	NA	Communication	
Camera	Front 2.0MP	WiFi	WiFi 6, 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
I/O	HDMI x 1, POGO 5pin x 1, USB 2.0 Type-A x 1, USB 3.0 Type-A x 3, SIM Card x 1, SD Card x 1, DB9 RS232 x 1, RJ45 x 2, Φ3.5mm standard earphone jack x 1, DC 19V 3.42A x 1 Anti theft lock hole *1 Heat dissipation air outlet *1 Left docking station, optional custom adapter PCIe X4 slot or HDD *1	Bluetooth	BT5.1 Transmission distance: 10m
Power	AC100V ~ 240V, Output DC 19V/3.42A/65W	2G/3G/4G (Optional)	LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40 WCDMA: B1/B5/B8 GSM: B3/B8
Battery (Built-in)		5G (Optional)	5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/ n38/n40/n41/n48*/n66/n71/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/ B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48 LAA: B46 WCDMA: B1/B2/B3/B4/B5/B6/B8/B19
Capacity	7.4V/1750mAh	GNSS	Support GPS, Optional GPS+Beidou
Type	Built in Li_polyment,battery loadable	Reliability	
Endurance	0.5hrs (Default 50% volume, default 200 nit, Play 720P HD video)	Operate Temperature	-20 °C ~ 60 °C
Battery (Hot-swappable)		Store Temperature	-30 °C ~ 70 °C
Capacity	7.4V/6300mAh	Humidity	95% Non-Condensing
Type	Li_polyment, removeable battery	Rugged Feature	IP65 certified, MIL-STD-810G certified
Endurance	7hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)	Drop Height	1.22m
		Data Collection	
		Fingerprint	SPI fingerprint (power on login)
		NFC	Optional, 13.56MHz, Card reading distance: 4cm



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