

OPTOKON Elektronik Rugged Notebook OERN-13

Option: Intel® Core™ i5-1135G7 @ 2.40Ghz, up to 4.20 Ghz
AMD RYZEN V2516 @2.1GHz , up to 3.95GHz

Best 13" Rugged Notebook
on the market



Specifications

Display	
Resolution	1920x1080
Contrast Ratio	1000:1
View Angles	89,89,89,89
Type	Projected Capacitive Multi Touch
Size	13.3 inches
Panel Brightness	1000:1
Bonding	Optical Bonding for Sunlight Viewability
System Specification	
Processor	AMD RYZEN V2516 or Intel® Core™ i5-1135G7 8M Cache: 4 cores
Memory	8GB SODIMM DDR4-2133 16GB SODIMM DDR4-2133 (Optional) 32GB SODIMM DDR4-2133 (Optional)
Storage	256GB M.2 SSD 512GB M.2 SSD (Optional) 1TB M.2 SSD (Optional) 2TB M.2 SSD (Optional) Additional storage available with up to 2TB M.2 (PCIe NVMe) SSD, self-encrypted. (Optional)
Ethernet controller	1 x RJ45-10/100/1000 Mbps LAN
Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 10 IoT Enterprise (64 bit)
WLAN	Support
BT	Support
WWAN	4G LTE (Optional)
GNSS	GPS/GLONASS
RFID	HF RFID (Optional)
Smart Card Reader	Smart Card Reader (Optional)
Fingerprint Scanner	Fingerprint scanner (Optional)
Camera	
Front Camera	2MP front camera
Rear Camera	8MP rear camera with autofocus and LED light (Optional)

Mechanical			
Dimension	340 x 230 x 38 mm	Weight	2.55kg
Cooling System	Fanless thermal design		
IO Ports			
USB Port	3 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)	Serial Port	1 x RS232 (DB9)
SD Card Slot	1 x Micro SDXC Slot	SIM Card Slot	1 x Nano SIM card slot
Video	1 x HDMI 2.0b	Audio	1 x Audio Jack (mic in/line out)
Expansion Port	1 x Expansion slot for smart card reader and removable SSD (Optional)	LAN	1 x RJ45-10/100/1000 GigaLAN port
Indicator	4x LED Indicator for Power, Battery, HDD, RF status	Docking Connector	1 x docking connector
Environment			
Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65 certified, dustproof and waterproof
Drop	MIL-STD-810H Method 516.8, 3 ft		
Certification			
Certification	CE, FCC		
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support
Control			
Button	1 x Power, 2 x volume key, 2 x Programmable Function Keys		
Power			
Battery	Hot-swappable 2 x 10.8V typ. 2400 mAh Li-Polymer Battery (3S1P)	Battery Operating Time	Standard Battery: 8 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz (19V DC)
Accessory			
Accessory	Adapter and Power Cord Standard Battery	Optional Accessory	Spare Battery (Optional) Battery Charger (Optional) Vehicle Charger (Optional)
Barcode Scanner			

