

Windows 11 intel.



Emdoor X15A v.6 - Rugged laptop for industrial applications - 12th gen i5, 16GB RAM, 256GB SSD, IP65, GPS, 4G, 1000 nits display, Windows 11 PRO

Category:	Laptops - Rugged
Manufacturer:	EMDOOR
Operating System:	Windows 11 Pro
Display:	15.6" IPS 1920x1080
Brightness:	1000 nits
Touch screen:	No
Processor:	Intel Core i5-1235U
Graphics card:	Intel Iris Xe
Memory:	16GB DDR5
Hard Drive:	256GB SSD
Durability:	IP65 MIL-STD 810H
Security:	IP65 MIL-STD 810H
Sand and dust:	IP6X
Waterproof:	IPX5
Drop:	up to 1.5m
Shock:	MIL-STD 810H
Vibration:	MIL-STD 810H
Temperature:	Work temp.: -20°C do 60°C Storage temp.: -30°C do 70°C

Humidity:	0 - 95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	No
RFID scanner (reader):	No
Other:	-----
Battery:	4850mAh
Working time on battery:	6.5 hours
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	Yes
WLAN:	WiFi 6
WAN:	4G
Bluetooth:	Bluetooth 5.1
GPS:	Yes
In/Out:	USB3.2 Gen2 x1, USB3.2 Gen1 x1, USB2.0 x1, Thunderbolt 4 (type C) x1, Micro SD x1, SIM x1. 3.5mm Audio Jack x1, 5.5mm DC-In jack x1, HDMI 2.0a mini x1, RJ45 x2, RS232 x1
Flash Card Reader:	Micro SD
Audio:	Microphone, speaker 3W
CD/DVD:	No
COM port:	Tak
Camera:	Front: 5Mpx
Magnetic card reader (MSR):	No
Microchip card reader:	No
Keyboard:	Yes - connected to device
Additional Navigation Devices :	No
Optional accessories:	Adapter, additional battery, quadruple battery charging station
Docking station connector:	No

VESA standard – holders and mounts support:	No
BIOS:	----
Chipset:	----
Swivel Hinge:	----
Contrast:	----
VGA out:	No
TV Out:	No
TV Tuner:	No
Casing material:	ABS/PC
Color:	Black
Size:	407×305.8×45.5mm, 3.52kg
Fanless casing:	Yes

1 862,78 €

net price: 1 514,46 €



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged industrial laptop Emdoor X15A is built for demanding field and industrial environments. Its 15.6-inch Full HD display with 1000 nits brightness ensures excellent readability even in direct sunlight. Powered by an Intel Core i5-1235U processor, 16 GB RAM, and a 256 GB SSD, it delivers reliable performance for demanding

applications. The IP65-rated housing protects against dust and water, while the 4850mAh battery provides up to 6.5 hours of mobile operation.

SPECIFICATION

Emdoor X15A	
Processor	Intel Core i5-1235U Intel Core i7-1255U * (optional)
Graphics	Intel Iris Xe
Operating system	Windows 11 Pro Windows 11 IoT * (optional) Windows 11 Home * (optional)
RAM	16GB
SSD	256GB 512GB * (optional) 1TB * (optional)
Display	15.6" IPS, 1920×1080, 1000 nits
Battery	4850mAh(removable)
Camera	5MP front
Protection	IP65
Communication	Wi-Fi 6 Bluetooth 5.1 GPS 4G LTE 5G * (optional) NFC * (optional)

Emdoor X15A	
Connectors	USB 3.2 Gen1 x1 USB 3.2 Gen2 x1 USB2.0 x1 USB-C x1 Micro SD x1 SIM card x1 3.5mm Audio Jack x1 5.5mm DC-In jack x1 HDMI 2.0a mini x1 RJ45 N
SIM card	SIM

* Optional equipment, available on specific versions only.



Detailed device specification is available in the "Technical data".

The Emdoor X15A industrial laptop is powered by the energy-efficient Intel Core i5-1235U processor, delivering both high performance and optimized power management. With ten cores for seamless multitasking and a multi-level cache dynamically allocated based on workload, it ensures faster memory access and smooth overall system performance.

Ergonomic design



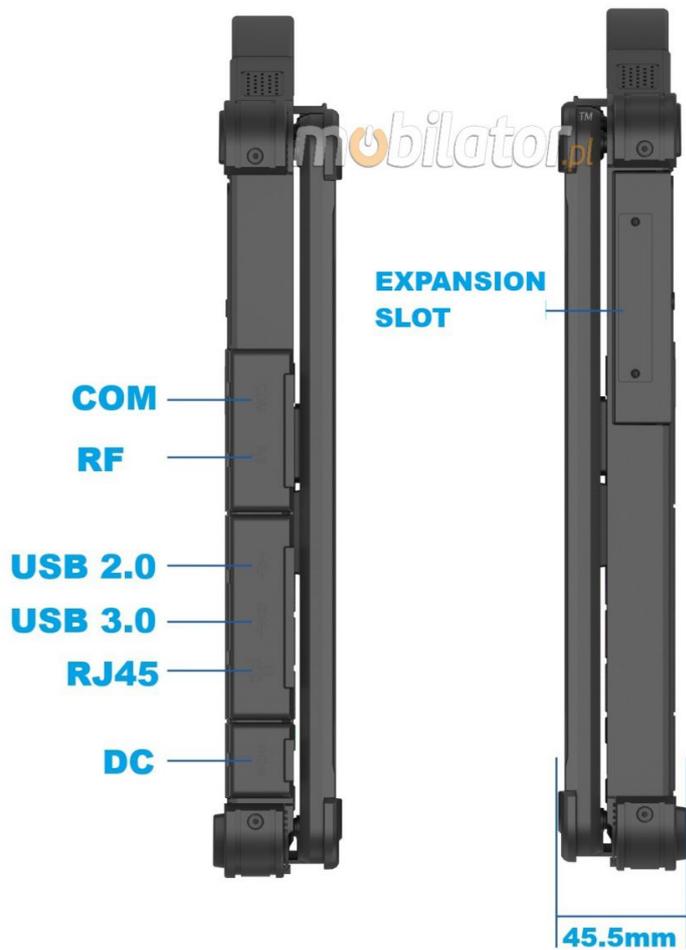
The rugged Emdoor X15A laptop is built for demanding environments, from industrial facilities to construction sites. Its IP65-certified housing protects against dust and water, while reinforced sealing absorbs shocks and safeguards the device from drops of up to 1.5 m. Non-slip edges and strengthened corners ensure a secure grip, making it a reliable tool for field operations.

Dimensions	407 × 305.8 × 45.5mm
Net weight	3.52kg

Connectors and buttons

The versatile Emdoor X15A industrial laptop comes with a wide range of ports for maximum connectivity in the office and the field. It includes USB-C, USB 3.2, HDMI, a 3.5 mm audio jack, SIM card slot, and RJ-45, making it easy to connect accessories and peripherals.



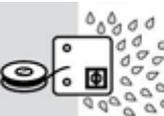
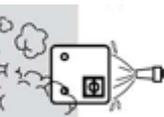
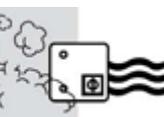


RESISTANCE

IP65 protection class



The rugged Emdoor X15A laptop is built for operation in extreme industrial and field conditions. Its IP65-rated housing protects against dust, moisture, and temporary water immersion. This reliable rugged notebook is an ideal solution for industries where durability and reliability are essential.

First digit	Protection level	Second digit
No special protection	0  0	No special protection
Protection from solid objects greater than 50mm in diameter	1  1	Protection from dripping water
Protection from object not greater than 12mm in diameter	2  2	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3  3	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4  4	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5  5	Protection from water projected from a nozzle
Complete protection against contact, protection from infiltration of dust	6  6	Protection against heavy seas, or powerful jets of water
	 7	Protection against immersion
	 8	Protection against complete, continuous submersion in water

MIL-STD 810 Standard



The rugged and durable Emdoor X15A laptop complies with the MIL-STD-810H military standard, ensuring resistance to harsh environmental conditions. Tested for mechanical durability, including drops from up to 1.5 m, this rugged notebook is perfect for field operations and industrial use. It provides reliable performance and operational safety even in extreme situations.

Extreme temperatures

The rugged Emdoor X15A field laptop is designed for demanding conditions and operates reliably in temperatures ranging from -20°C to 60°C. When stored while powered off, it withstands -30°C to 70°C, ensuring durability and stability even in extreme environments.

Working Temp.	-20°C to 60°C
Storage Temp.	-30°C to 70°C
Humidity	0% to 95%

WIRELESS COMMUNICATION

GPS Navigation

The waterproof and durable Emdoor X15A laptop is equipped with a precise GPS module that combines low power consumption with high positioning accuracy. This rugged field laptop enables fast and stable location tracking, ensuring safe navigation in challenging industrial and outdoor conditions while significantly improving work efficiency in the field.

Bluetooth 5.1

The modern and functional Emdoor X15A laptop is equipped with Bluetooth 5.1, enabling energy-efficient short-range communication with devices such as printers, keyboards, RFID readers, scanners, and headsets. This powerful mobile laptop delivers higher connection stability and speed compared to previous versions while reducing power consumption, enhancing both comfort and efficiency in field operations.

Wireless Wi-Fi

The professional Emdoor X15A laptop supports dual-band Wi-Fi 802.11 a/b/g/n/ac, operating in the 2.4 GHz and 5.8 GHz ranges. This ensures fast and stable access to local networks and the Internet both in the office and in the field, with data transmission speeds reaching up to 9.6 Gbps theoretically.

Standards	WiFi 6 802.11(a/b/g/n/ac)
Frequencies	2.4GHz/5.8GHz (Dual-Band)

NFC communication

(optional)

NFC (Near Field Communication) technology is a short-range wireless

communication standard that allows data exchange over just a few centimeters. NFC is ideal for applications such as access control, employee authentication, logistics, and payment processing. The modern industrial Mobipad tablet enables tag reading and integration with smart card systems.

APPLICATION

Trade and Services

The rugged and functional Emdoor X15A laptop is an essential tool for sales representatives and field workers. With modern business applications, it enables fast data collection, client verification, offer presentation, and sales document generation. This mobile warehouse laptop supports invoicing, order creation, and real-time ERP synchronization – whether in the office or in the field, thanks to GSM and Wi-Fi connectivity.



Industry and Construction

The rugged and waterproof Emdoor X15A laptop, certified to IP65, ensures full protection against dust and water, making it ideal for use in factories, construction sites, and demanding field environments. Combined with modern mobile applications, this practical field laptop excels in work supervision, data collection, and managing infrastructure and human resources.



The powerful and durable Emdoor X15A industrial laptop is an excellent solution for automotive service centers and workshops. With its rugged design and LTE, Wi-Fi, and GPS connectivity, it supports technicians in fast vehicle diagnostics, onboard data analysis, and service documentation management. By installing dedicated software, users can read error codes, configure vehicle systems, and access wiring diagrams and repair history, greatly enhancing work efficiency and precision.



ACCESSORIES AND AVAILABLE VERSIONS

We offer a range of additional accessories for this innovative tablet to further enhance its functionality and comfort of use. Below is a list of available accessories. Click on the accessory name or the "Check" link to be taken to a page with a description and price of the accessory.

Quadruple charging station



Station that allows charging up to 4 batteries at once.

[Check](#)

Check

The rugged Emdoor X15A laptops are available in several versions, tailored to meet different user needs. Clicking on a configuration number directs to a detailed product visualization with specifications listed in the table. Upon request, a custom configuration not currently available in the standard offer can also be created.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9	v.10
Intel Core i5-1235U	+	+	+	+	+	+	+	+	+	+
Intel Core i7-1255U	—	—	—	—	—	—	—	—	—	—
16GB RAM	+	+	+	+	+	+	+	+	+	+
32GB RAM	—	—	—	—	—	—	—	—	—	—
256GB SSD	+	—	—	+	+	+	+	+	—	—
512GB SSD	—	+	—	—	—	—	—	—	+	—
1TB SSD	—	—	+	—	—	—	—	—	—	+
NFC	—	—	—	—	—	—	+	—	+	+

5G	-	-	-	-	-	-	-	-	+	-	-
Windows 11 Home	-	-	-	+	-	-	-	-	-	-	-
Windows 11 IoT	-	-	-	-	+	-	-	-	-	-	-
Windows 11 Pro	-	-	-	-	-	+	-	-	-	+	+
	v.11	v.12	v.13	v.14	v.15	v.16	v.17	v.18	v.19	v.20	
Intel Core i5-1235U	+	-	-	-	-	-	-	-	-	-	-
Intel Core i7-1255U	-	+	+	+	+	+	+	+	+	+	+
16GB RAM	+	-	-	-	-	-	-	-	-	-	-
32GB RAM	-	+	+	+	+	+	+	+	+	+	+
256GB SSD	-	+	-	-	+	+	+	+	+	-	-
512GB SSD	-	-	+	-	-	-	-	-	-	-	+
1TB SSD	+	-	-	+	-	-	-	-	-	-	-
NFC	+	-	-	-	-	-	-	+	-	-	+
5G	+	-	-	-	-	-	-	-	-	+	-
Windows 11 Home	-	-	-	-	+	-	-	-	-	-	-
Windows 11 IoT	-	-	-	-	-	+	-	-	-	-	-
Windows 11 Pro	+	-	-	-	-	-	+	-	-	-	+
	v.21	v.22									

Intel Core i5- 1235U	—	—
Intel Core i7- 1255U	+	+
16GB RAM	—	—
32GB RAM	+	+
256GB SSD	—	—
512GB SSD	—	—
1TB SSD	+	+
NFC	+	+
5G	—	+
Windows 11 Home	—	—
Windows 11 IoT	—	—
Windows 11 Pro	+	+



More photos in full resolution available in the "Gallery".