

Fully Rugged Notebook
EM-X33

—

ENJOY THE POSSIBILITIES ON THE GO



11th Gen Intel®
Core™ Processor

Magnesium
Alloy Body

13.3-inch
Industrial Screen

Backlit
Keyboard

2×2
WiFi 6

Thunderbolt 4

IP65

A Leap in performance

11th Gen® Intel® Core™ i5 processor based on Intel's third-generation 10 nm process node known as 10SF, Up to 4 cores / 8 threads.

4.2GHz

Max Frequency

28W

Full-load

3DMark comparison

11th Gen® Intel® Core™ i5



8th Gen® Intel® Core™ i5



Breathtaking Experience

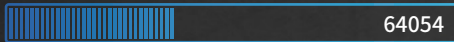
Integrated Intel Iris graphics feature 80 execution units, run at up to 1.3GHz, allow 1080p/60 video, and support up to 8k resolution. Iris graphics features include enhanced AI, low power consumption, adaptive synchronization and other technologies to provide smoother graphics with richer color and detail.

3DMark comparison

Intel Iris® Xe Graphics



Intel® Ultra HD Graphics





X33 Storage

Fast DDR4L RAM and solid state disk storage handle demanding multitasking with ease and lightning-quick response.



Windows 10
Support Home/IoT/
Pro/Enterprise




8GB RAM
Optional 16GB



256GB SSD
Optional 512GB



SSD Card slot
Replaceable



Easy to take,
Hard to break.

Full magnesium alloy body, shockproof,
anti-radiation, anti-wear, anti-electromagnetic interference.

Impossibly thin, only 26mm.

26mm

Thickness

2.1kg

Weight

Impeccably craft from any side

Industrial-grade 13.3-inch capacitive multi-touch display protected by Corning Gorilla Glass.

Easy to use under all lighting conditions, even with gloves.



1920 × 1080

Resolution

16 : 9

Aspect ratio

400 Nit

Brightness

60Hz

Refresh rate

10-point

Capacitive screen

Privacy

camera



Light up your night

LED-backlit membrane keyboard allows for easy use in the dark.
Optimized keystroke and tactile feedback make for comfortable typing.

Backlit keyboard — One-key automatic wake-up

Resistant to wear and oil — Wear-resistant oleophobic coating

Fingerprint recognition — One-key boot login

Touch panel — Precision fingertip control



2800mAh

2800mAh

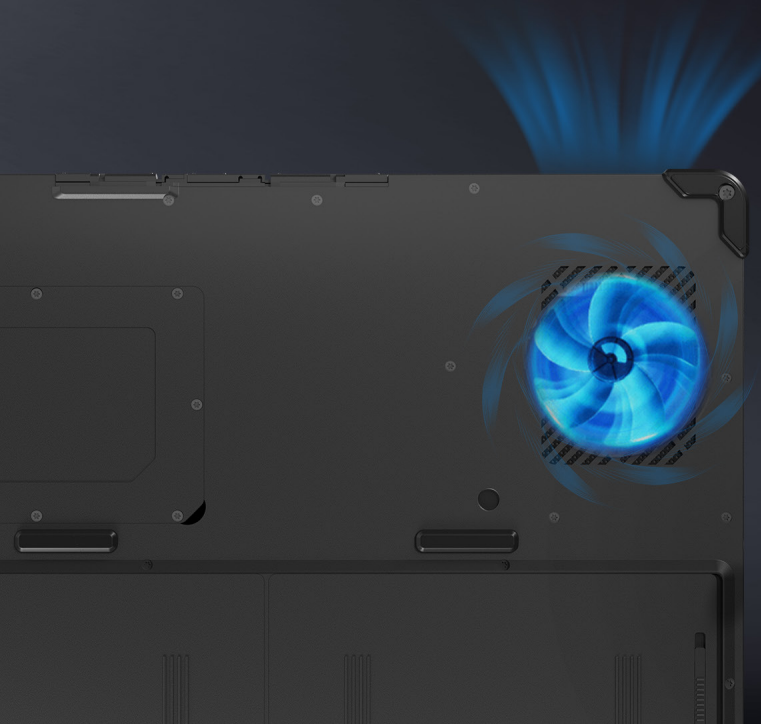
Go-Anywhere Productivity

Dual batteries with separate battery charge indicator lights
Supports PD fast charge from empty to full in just three hours

8-10 hours on a charge, extended standby

No more overheating

Advanced active/passive thermal cooling system employs heat sinks, copper heat tubing and a waterproof fan to quietly maintain optimal operating temperatures at all time.



3850RPM

Rotating speed

78mm × 71mm

Size

6.3CFM

Air volume

17.9mmH2O

Wind pressure

High speed Wi-Fi 6

Fast in every way

Multi-user, multiple-input, multiple-output and orthogonal frequency-division multiple access technology reduce latency, facilitate speed up to 2.4 gigabits and offer extensive connectivity support.



2×2 Wi-Fi 6



BT 5.1



4G



GPS

Full-featured USB Type-C

Integrated Thunderbolt 4 supports fast data transfer, upstream and downstream charging, audio, USB, dual video, as well as multiple peripherals.





Security from the inside

Onboard TPM 2.0 Trusted Platform Module chip provides tamper-proof hardware-based security functionality to protect data and guard against unauthorized system access.

TPM function only supports Windows 10 Pro OS.

Built Rugged

High-strength housing with full corner protection, extensive whole-system sealing, wide operating temperature, 4-foot drop resistance, and MIL-STD-810G certification make for confident use in harsh environments.

60°C

HT resistance

1.22m

Anti-drop

-20°C

LT resistance

IP65

Protection



Specification Parameter

Basic parameters

Dimension	332 x 233 x 26mm
Weight	2.1Kg
Device Color	black
LCD	13.3 inch FHD 16:9, 1920*1080
Touch Panel	Optional Multipoints Capacitive, G+G
Camera	Front 2.0MP
I/O	HDMI x 1, POGO 5pin x 1(Optional), Type C x 1, USB 3.0 x 3, SIM Card x 1, TF Card x 1, DB9 RS232 x 1, RJ45 x 1, DC jack x 1 Φ3.5mm standard earphone jack x 1
Power	AC100V ~ 240V, DC 19V/3.42A/65W
GPS	Optional GPS
Fingerprint	SPI fingerprint x 1 (Power on login)

Battery

Capacity	11.1V/2800mAh x 2
Type	External polymer lithium ion battery
Battery life	10hrs (50% volume sounds, 200 use nits brightness, 720P HD video display by default)

Performance parameter

CPU	Intel® i5-1135G7
OS	Windows 10
RAM	8GB/16GB
Storage	256GB/512GB

Network connections

WIFI	WiFi 6, 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
Bluetooth	BT5.1
4G (Optional)	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 China, Europe, Middle East, Africa, Taiwan, Japan

Reliability

Drop Height	1.22m composite wood floors, in operation status
Operating Temperature	-20 °C ~ 60 °C
Storage Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Sealing	IP65

BORN TO BE RUGGED AND ROBUST



@emdoorrugged

Emdoor Information Co., Ltd.

Tel: +86-(0)755-2372.2880 Web: www.emdoorrugged.com Email: marketing.info@emdoor.com
Add: 3/F, 5th Bld(Meigu Bld), Mei Sheng Hui Gu Technology Park, No.83 Dabao Rd, Bao' an District, Shenzhen City