X7-MAX

GPU-POWERED MILITARY LAPTOP
SENSOR-TO-DECISION IN ONE UNIT
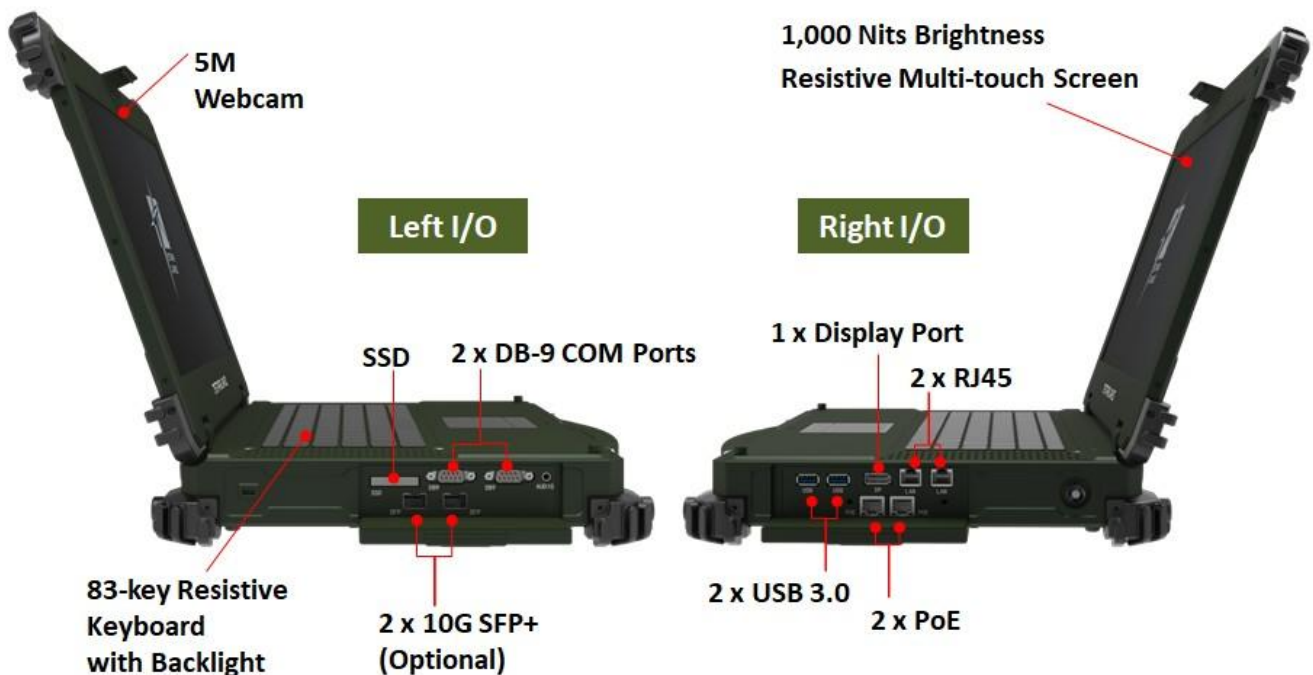
LAND
SEA
AIR

7 STAR LAKE

intel CORE i7

- Intel® 13th Gen Core™ i7/i5/i3 Processors
- NVIDIA Quadro A4500/A2000/A1000
- FHD 1000 Nits Sunlight Readable Multi-touch Display
- Dual 10G Fiber Connectivity
- 2 x PoE Ports, Tactical Camera Support
- Swappable NVMe M.2 Storage
- IP65/MIL-STD-810/461 for Extreme Temperatures, Shock and Vibration
- Extended Temperature -20°C ~+55°C

INTRODUCTION

Military Tough. GPU Smart. Engineered for modern battlefields, 7STARLAKE's 15.6" Military Laptop X7-Max delivers unmatched performance and unyielding versatility. Powered by Intel® 13th Gen Core™ i7/i5/i3 Processors and Nvidia Quadro GPU, the X7-Max brings high-performance edge computing to mission-critical operations.

With dual 10G SFP+ ports, 2 x PoE, dual 10G fiber connectivity, and swappable NVMe M.2 storage, the ruggedized X7-Max ensures non-stop tactical readiness. Its sunlight-readable multi-touch display, IP65 waterproof housing, and resilience to extreme temperatures make it a reliable asset across land, sea, and air operations. Whether supporting AI-powered decision-making, C4ISR, SIGINT, or UGV/UAV console, the X7-Max is more than a rugged laptop. It's built to meet intelligent warfare.

Appearance

ORDER INFORMATION

	X7-Pro		X7-Max		
Ordering information	X7-P8	X7-P6	X7-M7	X7-M5	X7-M3
CPU (Intel 13/14th -H series)	Xeon D-1848TER	i7-13800HRE	i7-13800HRE	i5-13600HRE	i3-13300HRE
GPU (NVIDIA Quodra)	Ada 5000	Quadro® A4500	Quadro® A4500	Quadro® A2000	Quadro® A1000
RAM (DDR5 SO-DIMM)	DDR4 64GB	DDR5 64GB	DDR5 64GB	DDR5 32GB	DDR5 16GB
Storage 1	4TB	4TB	2TB	512GB	512GB
Storage 2	M.2 option	M.2 option	M.2 option	M.2 option	M.2 option
Left I/O — 2 x RS232/422/485	-	-	Yes	Yes	Yes
FMC module	Optional	-	-	-	-
2 x 10G SFP+	Yes	Optional	Yes	-	-
Right I/O — 2 x USB3.0	-	-	Yes	Yes	Yes
1 x DP	-	-	Yes	Yes	Yes
2 x RJ45	-	-	Yes	Yes	Yes
2 x PoE	Yes	Yes	Yes	-	-
Rear I/O — X1: DC-IN	Yes	Yes	Yes	Yes	Yes
X2: 2 x USB2.0 +8 x GPIO + 2 x RS232/422/485	Yes	Yes	-	-	-
X3: 1 x DP + 1 x VGA	Yes	Yes	-	-	-
X4: Optional	Yes	Yes	-	-	-
X5: 2 x 3G-SDI (Optional)	Yes	Yes	-	-	-

SPECIFICATIONS

System

CPU	Intel® i7-13800HRE, i5-13600HRE, i3-13300HRE
Memory	2 x DDR5 up to 64GB, 32GB or 16GB
GPU	NVIDIA® RTX A4500/ A2000/A1000

Display

Display	15.6" TFT LCD FHD (1920 x 1080), 1,000 nits brightness display, sunlight readable, resistive multi touch screen Optional: Capacitive multi-touch screen

Operating System

OS Support	Windows 10 pro Windows 11 Pro

Storage

Storage	2 x NVMe M.2 storage

Ethernet

Ethernet	2 x RJ45 2.5 Gigabit

Power

Power	230W 100-240VAC, 50/60Hz

Dimensions

Dimensions	395 x 375 x 60 mm (15.55 x 14.76 x 2.36 inch)

Back I/O (Rugged Connector DTL38999)

X1	DC-IN

Left I/O

Left I/O	2 x 10G SFP+ (optional) 2 x RS232/ 422/ 485

RIGHT I/O

Right I/O	2 x PoE (optional), 2 x USB 3.0, 1 x DP, 2 x RJ45

Camera

Camera	1 x 5M webcam

Wireless

Wi-Fi	Intel® Wi-Fi 6E AX210 WLAN 802.11 a/b/g/n/ac/ax

Bluetooth	Bluetooth 5.3 Ublox M9N GPS/GLONASS/BeiDou/ Galileo

Keyboard

Keyboard	83-key with backlight, resistive

Rugged Feature

Rugged Feature	IP65, Magnesium Case Black or Green Color

Environment

Operating Temp.	-20°C to +55°C
Storage Temp.	-40°C to +71°C

Accessories

Accessories	AC adapter: 230W 100-240VAC, 50/60Hz MIL-STD-461 AC adapter (230W, 100-240VAC)

MIL-STD-810 Environment Testing Standards

Method 501, Operational Temperature, high	Procedure II: +60°C, two-hour dwell, four cycles
Method 501, Storage Temperature, high	Procedure I: +75°C, two-hour dwell, four cycles
Method 502, Operational Temperature, low	Procedure II: -40°C, two-hour dwell, four cycles
Method 502, Storage Temperature, low	Procedure I: -40°C, two-hour dwell, four cycles
Method 514, Vibration	Category 24/Non-Operating (Category 20 & 24, Vibration)
Method 514, Vibration	Category 20/Operating (Category 20 & 24, Vibration)
Method 516, Shock	Procedure V Non-Operating (Mechanical Shock)
Method 516, Shock	Procedure I Operating (Mechanical Shock)
Method 507, Humidity	Procedure II: exposure to 10 cycles of 95% relative humidity at temperatures of 30 °C to 60 °C with conformal coating (optional)
Method 500, Altitude (Low Pressure)	15,000 feet transport, -200÷2500[m] ground operation and exposed to +55°C and -20°C operation (optional)

Method 510, Sand-Dust	Procedure I: Blasting dust, 12 hours (optional)

MIL-STD-461 ELECTROMAGNETIC Testing Standards

CE102	Conducted emissions, power leads, 10KHz to 10MHz
RE102	Radiated emissions, electric filed, 30MHz to 5GHz
RS103	Radiated susceptibility, electric filed, 80Mhz to 3GHz

7STARLAKE