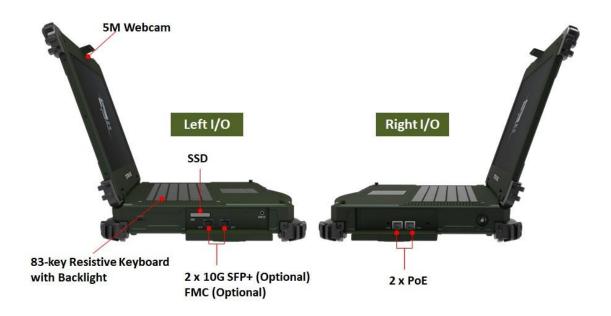


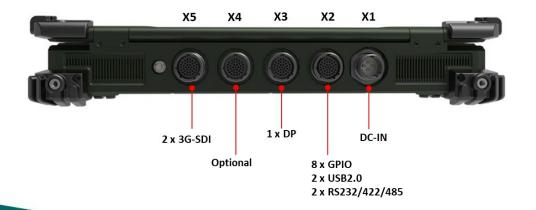
INTRODUCTION

Military Tough. GPU & FPGA Smart. Engineered for modern battlefields, 7STARLAKE's 15.6" Military Laptop X7-Pro delivers unmatched performance and unyielding versatility. Powered by Intel® Xeon® D processor, Nvidia GPU and FMC expansion, the X7-Pro brings high-performance edge computing to mission-critical operations.

With dual 10G SFP+ ports, dual PoE, 4 Channel 3G-SDI, and Swappable NVMe M.2 storage, the ruggedized X7-Pro ensures non-stop tactical readiness. Its sunlight-readable multi-touch display, IP65-rated waterproof housing, and resilience to extreme temperatures make it a reliable asset across land, sea, and air operations. Whether supporting Al-powered decision-making, C4ISR, SIGINT, or UGV/UAV Console, the X7-Pro is more than a rugged laptop. It's built to meet intelligent warfare.

Appearance





ORDER INFORMATION



Ordering information		X7-Pro	
Model Type		X7-P8	X7-P6
Model No.		X7-PIA50	X7-PIA45
CPU (Intel 13/14th -H series)		i7-13800HRE	i7-13800HRE
LCD	Brightness	1000 nits	1000 nits
	Touch	Touch	Touch
	Bonding	Optical bonding	Optical bonding
GPU (NVIDIA Quodra GPU)		Ada 5000	Ada 4500
RAM (SO-DIMM)		DDR5 16GB	DDR5 16GB
Storage 1		256GB	256GB
Storage 2		M.2 option	M.2 option
	2 x RS232/422/485	No	No
Left I/C	FMC module	Option	No
	2 x 10G SFP	Yes	Optional
Right I/O	2 x USB3.0	No	No
	1 x DP	No	No
	2 x RJ45	No	No
	2 x PoE	Yes	Yes
Rear I/	Ö		
X1	DC-IN	Yes	Yes
X2	2 x USB2.0 +8 x GPIO + 2x RS232/422/485	Yes	Yes
Х3	1 x DP + 1 x VGA	Yes	Yes
X4	Option	Yes	Yes
X5	2 x 3G-SDI	Yes	Yes

SPECIFICATIONS

SYSTEM				
CPU	Intel® Xeon® D-1848TER, 10C/ 20T, 2.0/3.1GHz, 15MB cache, 57W Intel® Core i7-13800HRE, 6P+8E/20T, 2.5/5.0GHz, 24MB cache, 65W			
Memory	2 x DDR4, SO-DIMM, up to 64GB 2 x DDR5, SO-DIMM, up to 64GB			
GPU	NVIDIA® RTX ADA 5000 NVIDIA® QUADRO A4500			
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			
Power				
Power	230W 100-240VAC, 50/60Hz			
DIMENSIONS				
Dimensions	395 x 375 x 80 mm (15.55 x 14.76 x 3.15 inch)			
BACK I/O (RUGGED CONNECTOR DTL38999)				
X1	DC-IN			
X2	2 x USB2.0 + 8 x GPIO + 2 x RS232/422/485			
X3	1 x DP			
X4	Optional			
X5	2 x 3G-SDI (optional)			
LEFT I/O				
Left I/O	2 x 10G SFP+ (optional) FMC module (optional)			
RIGHT I/O				
Right I/O	2 x PoE			
CAMERA				

Camera	1 x 5M v	vebcam
WIRELESS		
Wi-Fi		i-Fi 6E AX210 02.11 a/b/g/n/ac/ax
Bluetooth Bluetooth Ublox M		th 5.3 I9N GPS/GLONASS/BeiDou/ Galileo
KEYBOARD		
Keyboard 83-key v		with backlight, resistive
RUGGED FEATI	JRE	
Rugged Feature	IP65, Alı	uminum-Magnesium Alloy Case Black or Green Color
ENVIRONMENT		
Operating Temp	-20°C to	+55°C
Storage Temp	-40°C to	+71°C
ACCESSORIES		
		oter: 00-240VAC, 50/60Hz 0-461 AC adapter (230W, 100-240VAC)
MIL-STD-810	ENVIR	DINMENT 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 Pressure)	15,000 feet transport, -200÷2500[m] ground operation and exposed to +55°C and -20°C operation (optional)				
Method 510, Sand-Du	ust 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				
ORDERING INFORMATION					
X7-P8	Xeon® D-1848TER CPU				
X7-P6	Core i7-13800HRE CPU				

This datasheet is for marketing purposes only and does not constitute a warranty. All specifications, dimensions, and data are subject to change without notice. For the latest specifications and updates, please contact your 7STARLAKE representatives.