



LAND



SEA



AIR

V7-PSS

**TRIPLE DISPLAY TACTICAL
COMMAND AND CONTROL CONSOLE**



- Intel® 14th Gen Core™ i7 Processor
- NVIDIA MXM PRO 5000 Blackwell GPU
- 3 x 15.6" (1920x1080) TFT-LCD
- Sunlight Readable 1000 Nits
- IP65 Rated Triple Display
- 2 x 3G-SDI Ports (optional)
- 2 x 10G Fiber Ports (optional)
- Swappable NVMe M.2 Storage (optional)
- MIL-STD-810 for Extreme Temperatures, Shock and Vibration



INTRODUCTION

Military Multi-Display Power. Built for Next-Generation Battlefield Operations.

7STARLAKE's **15.6" Triple-Display Military Laptop X7-PS3** delivers enhanced situational awareness and high-performance computing for mission-critical environments. Powered by Intel® 14th Gen Core™ i7 processors and configurable with **NVIDIA RTX PRO 5000 Blackwell GPU**, it enables AI edge processing, real-time analytics, and multi-stream visualization.

Featuring three 15.6" sunlight-readable multi-touch displays, the system supports simultaneous monitoring of maps, sensor data, and live video, improving operational efficiency and decision-making.

With **optional dual 3G-SDI input**, it enables stable, low-latency video ingestion from cameras and UAV systems. Combined with **swappable NVMe storage**, it ensures fast data access and flexible deployment.

Built with an **IP65-rated rugged design**, the X7-PS3 withstands shock, vibration, and extreme temperatures, making it a reliable **portable multi-display command platform** for modern tactical operations.

SPECIFICATIONS

SYSTEM

CPU	Intel® 14 th Gen i7-13800HRE, i5-13600HRE
Memory	2 x DDR5 SO-DIMM, up to 64GB
GPU	NVIDIA® MXM PRO 5000 Blackwell (14,080 CUDA Core, 2,064 AI TOPS, 1,344 GB/s, PCIe 5.0 x16)

DISPLAY

Display	Triple 15.6" TFT LCD FHD (1920 x 1080), 1,000 Nits Brightness Display Sunlight readable, P-capacitive multi-touch screen
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OPERATING SYSTEM

OS Support	Windows 10 pro Windows 11 Pro
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STORAGE

Storage	2 x NVMe M.2 storage (PCIe x4)
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ETHERNET

Ethernet	2 x 2.5 Gigabit
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BACK I/O (RUGGED CONNECTOR DTL-38999)

X1	DC-IN
X2	LAN, or 3G-SDI (optional)
X3	LAN, or 3G-SDI (optional)

LEFT I/O

Left I/O	2 x RS232/ 422/ 485 1 x Audio Combo Jack 2 x 10G SFP+ (optional)
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RIGHT I/O

Right I/O	2 x USB 3.0 1 x DP 2 x 2.5GbE RJ45
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CAMERA

Camera	1 x 5M webcam (optional)
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WIRELESS

Wi-Fi	Intel® Wi-Fi 6E AX210 WLAN 802.11 a/b/g/n/ac/ax (optional)
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Bluetooth	Bluetooth 5.3 Ublox M9N GPS/GLONASS/BeiDou/ Galileo (optional)
KEYBOARD	
Keyboard	83-key with backlight
RUGGED FEATURE	
Rugged Feature	IP65, Aluminum-Magnesium Alloy Case
ENVIRONMENT	
Operating Temp.	-20°C to +50°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: +50°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: -20°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)

ORDER INFORMATION



Ordering information		X7-PS3		
Model No.		X7-PS3-A20	X7-PS3-A45	X7-PS3-A50
CPU (Intel 13th)		i7-13800HRE	i7-13800HRE	i7-13800HRE
LCD	Brightness	1000 nits	1000 nits	1000 nits
	Touch	Touch	Touch	Touch
	Bonding	Optical	Optical	Optical
GPU (NVIDIA GPU)		A2000	A4500	PRO 5000
RAM (SO-DIMM)		Up to 64GB	Up to 64GB	Up to 64GB
Storage 1		256GB	256GB	256GB
Storage 2		M.2 option	M.2 option	M.2 option
Left I/O	2 x RS232/422/485	Yes	Yes	Yes
	Audio Combo Jack	Yes	Yes	Yes
	2 x 10G SFP+	Optional	Optional	Optional
Right I/O	2 x USB3.0	Yes	Yes	Yes
	1 x DP	Yes	Yes	Yes
	2 x 2.5G RJ45	Yes	Yes	Yes
Rear I/O (D-38999)	X1	DC-IN	DC-IN	DC-IN
	X2	LAN, or 3G-SDI (optional)	LAN, or 3G-SDI (optional)	LAN, or 3G-SDI (optional)
	X3	LAN, or 3G-SDI (optional)	LAN, or 3G-SDI (optional)	LAN, or 3G-SDI (optional)

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