

11F5E1

Edge AI Box



Key Feature

- etson™ Orin NX: 157/117 TOPS, 16/8GB LPDDR5;
- Jetson™ Orin Nano: 67/34 TOPS, 8/4GB LPDDR5
- Display: 15.6-inch EDP FHD (1920×1080)
- Battery: 10000mAh
- I/O: 1 × USB, 1 × RJ45, 1 × OTG, 1 × REC
- Pre-installed Ubuntu

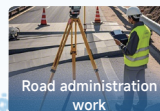
Introduction

The 11F5E1 rugged laptop is a high-performance portable industrial edge AI computing device specially designed for industrial and field on-site mobile operation scenarios. Equipped with NVIDIA Jetson Orin NX/Orin Nano core modules, it can provide up to 157 TOPS of AI computing power, integrating the core advantages of three devices: flip-up portable computer, rugged laptop, and portable notebook.

The entire 11F5E1 rugged laptop adopts a high-strength aluminum-magnesium alloy integrated structure design, combined with multiple shock absorption and protection technologies and flexible expansion ports. It has a built-in 10000mAh large-capacity battery, which can achieve stable computing power output, long battery life operation and safe data processing under complex working conditions without external power supply, vibration and collision, and temperature and humidity fluctuations, fully adapting to multi-scenario AI application needs such as industrial sites, field operations, and edge computing.



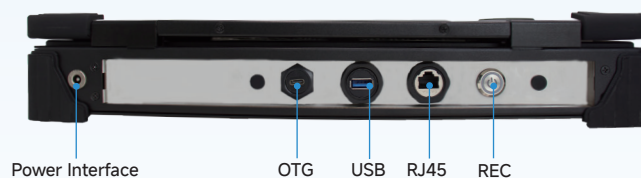
Website



Specifications

Module	Jetson Orin NX 16GB	Jetson Orin NX 8GB	Jetson Orin Nano 8GB	Jetson Orin Nano 4GB
AI Performance	157TOPS	117TOPS	67TOPS	34TOPS
GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores			512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores
CPU	8-core Arm® Cortex® -A78AE v8.2 64-bit CPU2MB L2 + 4MB L3	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3		
Memory	16GB 128-bit LPDDR5 102.4GB/s	8GB 128-bit LPDDR5 102.4GB/s	8GB 128-bit LPDDR5 102 GB/s	4GB 64-bit LPDDR5 51 GB/s
Video Encode	1x 4K60 (H.265)、3x 4K30 (H.265) 6x 1080p60 (H.265)、12x 1080p30 (H.265)		1080p30 , supported by 1-2 CPU cores	
Video Decode	1x 8K30 (H.265)、2x 4K60 (H.265) 4x 4K30 (H.265)、9x 1080p60 (H.265) 18x 1080p30 (H.265)		1x 4K60 (H.265)、2x 4K30 (H.265) 5x 1080p60 (H.265)、11x 1080p30 (H.265)	
Display	15.6-inch EDP high-definition screen, resolution 1920*1080			
Keyboard	Backlit keyboard （industrial 100-key keyboard）			
Mouse	Touchpad			
Speaker	Built-in pair of stereo speakers			
Rear Ports	1*USB、1*RJ45、1*OTG、1*REC			
Battery Capacity	10000mAh			
Power	DC19V			
Operating Temp	0 ~ 40℃			
Storage Temp	-20℃ ~ 60℃ （No condensation）			
Operating Humidity	10% ~ 90% relative humidity, no condensation			
Structure	1.5U high-portability integrated structure			
Material	High-strength Aluminum-magnesium alloy, surface anodized			
Color	Black/ Green			
Dimensions	393mm*290mm*70mm			
Weight	4800g			

Interfaces







Power Interface

OTG

USB

RJ45

REC