

9F1E1

Edge AI Box



Key Feature

- Jetson™ AGX Xavier: 32 TOPS, 64/32GB LPDDR4X, 32GB eMMC
- Display: 1 × HDMI
- Rich I/O: 1 × RJ45, 3 × USB Type-A, 1 × Micro USB
- Expansion: Built-in 2 × full-size miniPCle, 1 × M.2 M 2280
- Operating Temperature: -25°C ~ +65°C
- Input Voltage: DC 12V
- Pre-installed Ubuntu

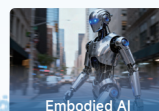
Introduction

The 9F1E1 is a rugged edge AI computing device powered by NVIDIA® Jetson™ AGX Xavier, delivering 32 TOPS AI performance for parallel multi-sensor processing. It provides a reliable local computing foundation for industrial vision inspection, mobile robot control, smart warehouse and V2X perception.

With triple protection (ESD, over-voltage, reverse polarity) and wide-temperature components, it ensures stable operation in harsh environments. Rich I/O and expansion slots support Gigabit Ethernet, storage, 4G/5G/Wi-Fi and I/O cards.



Website



Specifications

Module	Jetson AGX Xavier 32GB	Jetson AGX Xavier Industrial
AI Performance	32 TOPS	30 TOPS
GPU	512-core NVIDIA Volta architecture GPU with 64 Tensor Cores	
CPU	8-core NVIDIA Carmel ARM®v8.2 64-bit CPU 8MB L2 + 4MB L3	
Memory	32GB 256-bit LPDDR4x 136.5GB/s	32GB 256-bit LPDDR4x (Supports ECC) 136.5GB/s
Storage	32GB eMMC 5.1	64GB eMMC 5.1
Video Encode	4x 4K60 (H.265)、8x 4K30 (H.265) 16x 1080p60 (H.265)、32x 1080p30 (H.265)	2x 4K60 (H.265)、6x 4K30 (H.265) 12x 1080p60 (H.265)、24x 1080p30 (H.265)
Video Decode	2x 8K30 (H.265)、6x 4K60 (H.265) 12x 4K30 (H.265)、26x 1080p60 (H.265) 52x 1080p30 (H.265)	2x 8K30 (H.265)、4x 4K60 (H.265) 8x 4K30 (H.265)、18x 1080p60 (H.265) 36x 1080p30 (H.265)
Display	1x HDMI2.0	
USB	3x USB 2.0 Type-A、1x USB Type-C (OTG)、Micro USB(Debug)	
Networking	1x RJ45	
Button	1 x Recovery、1 x Reset、1x PWR	
Expansion	2x Overall Length mini PCIe、1x M.2 Key M(2280)	
Temperature	-25°C ~ +65°C	-40°C ~ +65°C
Dimensions	166.7mm x 135mm x 74.5mm	
Power	DC +12V	
Weight	1061g	

Interfaces

