



Y-C9-DEV Development System

Key Feature

- Jetson™ AGX Xavier: 32/30 TOPS, 32GB LPDDR4x, 32/64GB eMMC
- Rich I/O: HDMI, RJ45, USB Type-A, USB Type-C, Micro USB, RTC, TTL
- Expansion Slots: miniPCIe, M.2 M 2280
- Operating Temperature: -25°C ~ +65°C
- Industrial: -40°C ~ +65°C
- Input Voltage: DC 12V
- Pre-installed Ubuntu

Introduction

Y-C9-DEV is an edge AI computing development kit powered by NVIDIA® Jetson™ AGX Xavier system -on-modules, delivering 30/32 TOPS AI performance for medical imaging, industrial inspection, smart surveillance and intelligent in-vehicle systems. It accelerates the R&D and mass deployment of AI applications.

The kit features industrial-grade high-reliability design with triple protection and wide-temperature components for stable operation in harsh environments. It provides rich I/O interfaces and dual miniPCIe plus M.2 M-Key slots for flexible expansion of multi-channel Gigabit Ethernet, USB 3.0, high-capacity storage, video capture, multi-serial and AD acquisition modules.



Website



Portable Ultrasound



Color Sorter



Face recognition system



Visual Inspection

Specifications

Module	Jetson AGX Xavier 32GB	Jetson AGX Xavier Industrial
AI Performance	32 TOPS	30 TOPS
GPU	512-core NVIDIA Ampere 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 (SupportECC) 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	1 x HDMI	
USB	3x USB2.0 Type-A、1x USB Type-C(OTG)、1x Micro USB(Debug)	
Networking	1x RJ45	
Button	1x Power、1x Recovery、1x Reset	
Expansion	2x miniPCIe、1x M.2 Key M (2280)	
Serial Ports	2x 3.3V TTL	
Temperature	-25°C~+65°C	-40°C~+65°C
Dimensions	132mm × 100mm × 45.7mm	
Power	DC +12V	
Weight	563g	

Interfaces

