震有智联 RONTEX TECHNOLOGY | intel. MARKET READY

EDGE INTELLIGENT GATEWAY

Integrating core capabilities of network, computing, storage and application

E200

PRODUCT INTRODUCTION

An intelligent platform close to the data source on the edge, integrating the core capabilities of network, computing, storage, and applications. Based on deep learning technology, it provides high-performance edge intelligence services that work with the cloud platform to meet the key needs of the IoT industry in terms of agile connectivity, real-time business, data optimization, application intelligence, security and privacy.

PRODUCT FEATURES

Reduce network bandwidth costs and the latency of applications.

AI compute capability running complex algorithms on edge.

Easily re-task as the situation demands.

Improve the overall robustness of the system and data security.

IC FC UKCA CE

Technical Specifications

Item	Sub-Items	Descriptions
Processor	CPU	Intel Core Raptor Lake S/P
System	BIOS	AMI EFI BIOS
Memory	Technology	LPDDR4
	Max. Capacity	8 GB
Display	Controller	Intel Gen9 Graphic engine
	HDMI	Max, 3840 x 2160 @30 Hz
Audio	Controller	Realtek ALC897, High Definition Audio, Line-out, Mic-in
Ethernet	Controller	2 x Intel I225-V
Storage	M.2	1 x M.2 B/M- Key 2280 support SATA 3.0
	MSATA	1(internal interface)
	SATA 3.0	1
I/O Interfaces	USB 3.0	3
	USB 2.0	1
	COM	1 x RS-232/422/485, 2x RS-232 or RS-485
Expansion	CAN	2(optional)
	GPIO	8(optional)
	SIM	1 x Micro SIM
Power	Power Type	9~36V DC-Input 4Pin phoenix terminal
Others	Watchdog	255-level timer, resettable
	Front panel control	Power LED, HDD LED, Reset, Power Switch
Environment	Operational	0 ~ 60° C with 0.7m/s air flow
	Storage Temperature	-40° C ~ 85° C
	Relative Humidity	5 ~ 95% @ 40 °C (non-condensing)
Certification	EMC	CE, FCC
Physical	Motherboard size	146 x 102mm
Characteristics	Machine demensions	172 x 125 x 62.5mm
OS Support	OS Support	Windows 10 64 Bit, Linux

AI Functions

Scenarios	Type		
Smart Community	Cross-line Operation	People Gathering	Area Instrusion
	Illegal Vehicle Parking	Fire Extinguisher Placement	Fire Recognition
	Fire Escape Occupied	Peopel Wandering	Smoke Recognition
	Electic Bike Helmet	Fence Climbing	Feature Recognition
Smart Building	Workwear Indentify	Smoke Detection	People Gathering
	Mush Identify	People Counting	Sleeping on Duty
	Smoking Detection	People Counts Changes	People Falls
	People Wandering	Not wearing work clothes	Throwing objects from height
	Fire Detection	Fire Extinguisher Placement	Fence Climbing Detection
	Fire Escape Occupied	Leaving on Duty	Area Instrusion
Smart Construction	Helmet WearDetection	People Instrusion	People Counting
	Safety Rope Wearing Detection	Reflective Clothing Detection	Objects Counting
Smart Traffic	People Counting	Illegal Parking Detection	Vulnerable Traffic Participant Detection
	Traffic Statistics	Signal Optimization	Water level detection
	Traffic Incident	Reverse Driving	Abnormal Visibility
	Vehicle Type/Feature	Non-motorized Type/Feature	People Feature Recognition
Smart Gas Station	Fire Detecion	People Instrusion	Phone Detection
	Smoke Detection	Fire Extinguisher	Smoking Detection