

EA-B200

LCFC EA-B200 is equipped with NVIDIA Jetson TX2 NX core module. NVIDIA Jetson™ TX2 NX provides a new generation of embedded edge computing products for entry-level AI performance. Its performance is 2.5 times that of Jetson Nano, and adopt Jetson Nano and Jetson Xavier™ NX pin to pin design, small size, flexible installation, rich interface, equipped with flexible expansion capabilities. Can be widely used in manufacturing, logistics, retail, services, agriculture, smart cities, healthcare and life sciences, smart machines. At the same time, could build, deploy and manage pre-trained AI models from NVIDIA NGC™ by local cloud technology.

Equipped with NVIDIA Jetson TX2 NX core module

-25°C~80°C Operating Temperature

Long Lifetime

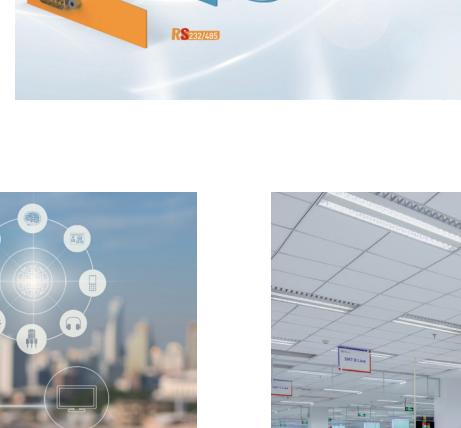
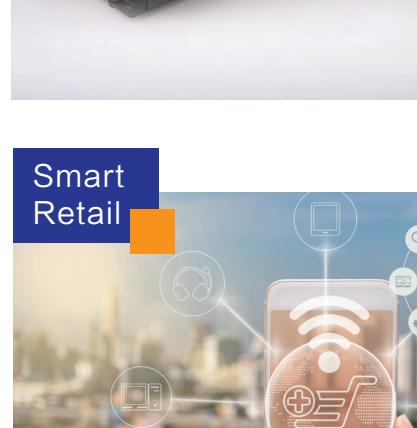
Protection against vibration level: IP50

NVIDIA NGC Open Ecology

● ● PRODUCT SPECIFICATIONS ● ●

EA-B200

Processor	NVIDIA Jetson TX2 NX						
AI Performance	1.33TFLOPS						
CPU	Dual-core NVIDIA Denver 1.5 64-bit CPU and quad-core Arm® Cortex®-A57 MPCore processor complex						
GPU	NVIDIA Pascal™ architecture with 256 NVIDIA® CUDA® cores						
Memory	4 GB 128-bit LPDDR4x @ 51.2GB/s						
Storage	16 GB eMMC 5.1						
Display Interface	HDMI Type A x 1						
Video Encode	1*4K @ 60 (HEVC)		3*4K @ 30 (HEVC)				
	4*1080p @ 60 (HEVC)		8x 1080p @ 30 (HEVC)				
Video Decode	2x 4K @ 60 (HEVC)		7*1080p @ 60 (HEVC)				
	4*4K @ 30 (HEVC)		14*1080p @ 30 (HEVC)				
I/O Configuration	Gigabit Ethernet *2	CAN *1	RS232/422/485 *1	GPIO*4			
	MIPI(CSI) *2	USB3.0 *2	HDMI *1	30-pin I/O x 1 (GPIO/I2C/SPI/UART)			
User Expansion	Pick One Of Two : ①Mini-PCIe*1 ②M.2 E-Key 2230 x 1 for WiFi						
	M.2 M key 2280 NVME (PCIE)						
	M.2 B-KEY for LTE/5G						
Function Key	Nano SIM Socket *1	TF Slot *1					
Power Requirement	12-24Vdc w/2-pin terminal						
Size	189*96.7*57.5mm						
Net Weight	1.1Kg						
Protection	IP50						
Environmental	Operating Temperature	-25°C ~ 60°C CPU/GPU Full Loaded Operation 60°C ~ 80°C Frequency Reduction Operation					
	Storage Temperature	-40°C ~ 80°C					
	Humidity	5~95% @ 40°C, non-condensing					
Operation Vibration	3 Grms 5~500Hz						
Certificates	CCC/ROSH/SRRC						



Support 2.5 inch HDD&SSD, CAN, LAN, COM, EtherCAT, PoE and other fieldbus and IO expansion



Operational Optimization, Video Inventory

Heat Map Analysis, The Human Body Follows

Face Recognition, Behavior Recognition

Local Reasoning, Excellent Computing Power

Compact Structure, Easy to Deploy

As the core computing platform for industrial inspection, it replaces the traditional IPC+GPU deployed on the AOI platform, and connects to industrial cameras, PLCs, sensors, etc.

Fanless embedded design, strong anti-interference performance, in line with industrial scenarios

High integration and strong computing power

NVIDIA open GPU platform, which helps to shorten development time



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