

# 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℃~80℃ 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			
DisplayInterfac	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-PCle*1    ②M.2 E-Key 2230 x 1 for WiFi			
	M.2 M key 2280 NVME ( PCIE )			
	M.2 B-KEY for LTE/5G			
	Nano SIM Socket *1	TF Slot *1		
Function Key	Recovery Button *1    Power Button*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℃ ~ 60℃ CPU/GPU Full Loaded Operation 60℃ ~ 80℃ Frequency Reduction Operation	
	Storage Temperature		-40℃ ~ 80℃	
	Humidity		5~95% @ 40℃, non-condensing	
Operation Vibration	3 Grms 5~500Hz			
Certificates	CCC/ROSH/SRRC			



Industrial Monitoring

Smart Retail

Smart Transportation



LCFC Switch



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

Flexible Expansion

Easy to Maintain

Quick Upgrade

Smart Retail



Industrial AOI Monitoring



▶ 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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