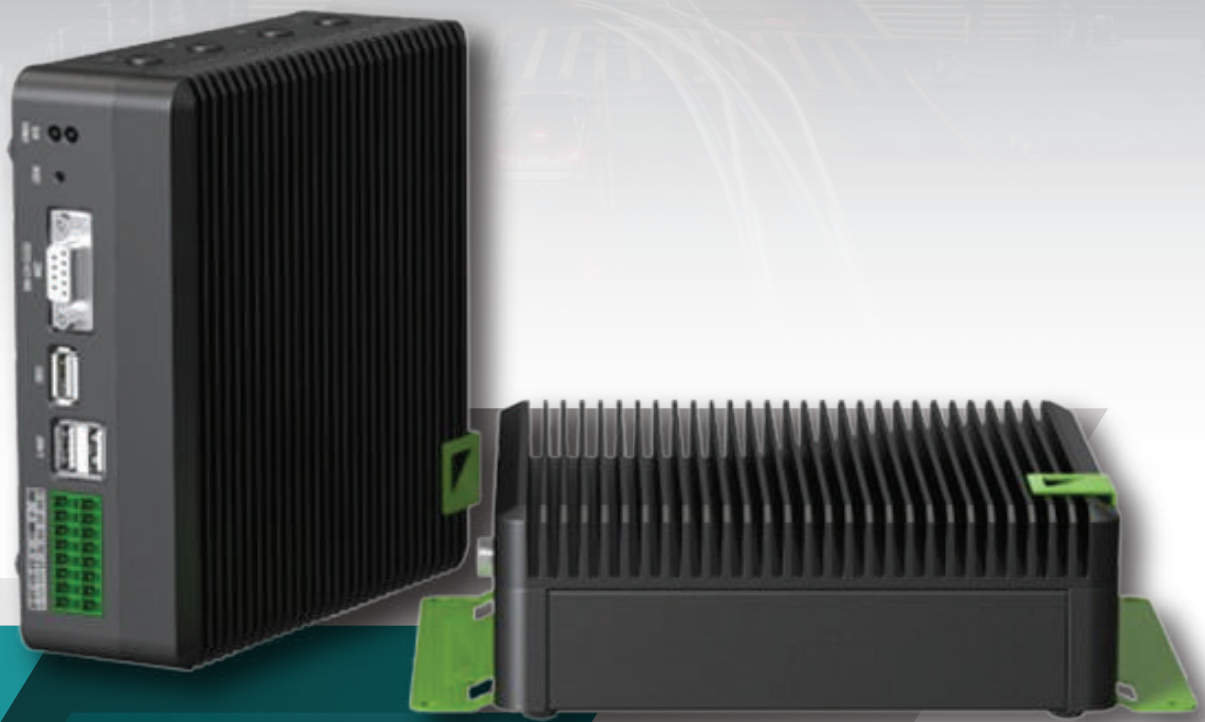




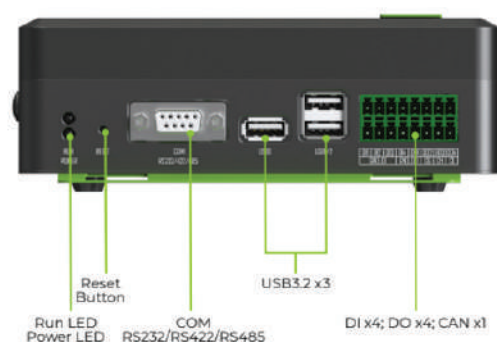
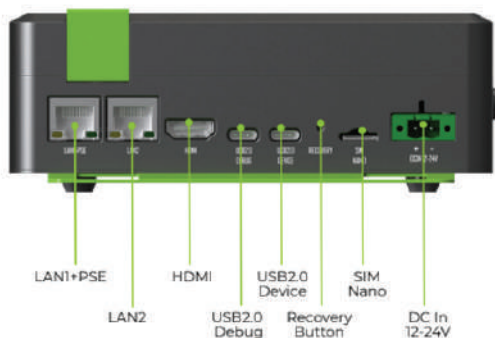
Edge AI Processor

DYNA-DRAS VISION

Video analytics embedded computer designed for real-time detection tasks for dynamic control of traffic light signaling and the collection of traffic data from cameras

SPECIFICATION

General Properties		
Processor	GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
	CPU	6-core Arm® Cortex® A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3
	Memory	8GB 128-bit LPDDR5 102.4GB/s
	Video Encode	1* 4K60 (H.265) 3* 4K30 (H.265) 6x 1080p60 (H.265) 12x 1080p30 (H.265)
	Video Decode	1* 8K30 (H.265) 2* 4K60 (H.265) 4* 4K30 (H.265) 9* 1080p60 (H.265) 18* 1080p30 (H.265)
I/O	Networking	1* LAN1 RJ45 GbE PoE(PSE 802.3 af 15 W); 1* LAN2 RJ45 GbE (10/100/1000Mbps)
	USB	3* USB3.2;1* USB2.0 Type C (Device mode); 1* USB2.0 Type C For Debug UART & RP2040
	DI/DO	4*DI,4*DO,3*GND_DI,2*GND_DO,1*GND_ISO,1*CAN
	COM	1* DB9 (RS232/RS422/RS485)
	Display	1*HDMI 2.0 Type A
	SIM	1* Nano SIM card slot
Expansion	Fan	Fanless, passive heatsink; 1*Fan connectors(5V PWM)
	RTC	1* RTC socket (CR1220 included),1* RTC 2-pin
	Camera	2* CSI 2-lane 15pin
Power	Power Supply	DC 12V-24V Terminal block 2 pin
	Power Adapter	19V Power Adapter(without power cord)
Mechanical	Dimensions (W x D x H)	159mm*155mm*57mm
	Weight	1.57kg
	Installation	Desk, DIN rail, wall-mounting, VESA
Environment	Operating Temperature	-20 ~ 60°C with 0.7m/s
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
	Shock	50G peak acceleration (11 msec)
OS		Pre-installed Jetpack 5.1 (above) (provide Linux OS with board support package)
Certification		5FCC, Certification FCC, CE, RoHS, UKCA
Designed for installation		Traffic control cabinet / outdoor cabinet / DIN rail





NOTE: In keeping our policy of continuing product improvement, DynaTech reserves the right to change materials, design and specifications without prior notice.

Dynamic Traffic System Sdn Bhd
No 52, Jalan Seroja 5D/2
Bukit Sentosa 48300 Rawang,
Selangor, Malaysia.

✉ sales@dynasystem.info

🌐 www.dynatech.my

AUTHORIZED AGENT

