



Rugged Computer RSL A4AGX

Computer Vision Edge Unit with NVIDIA Jetson AGX Orin



Similar image

Product Highlights

24/7 continuous operation
IP67, IP69 protection, extended temperature range
Power ignition controller
High shock and vibration resistance
Resistance to chemicals









Rugged Computer RSL A4AGX

	Order Code	RPC/RSLA4AGX32-B102S ¹	RPC/RSLA4AGX32-C102
Processor module / Performance			
IVIDIA Jetson AGX Orin 32GB 1792-core Ampere GPU with 56 Ten 8-core NVIDIA Arm® Cortex A78AE CPU	sor Cores	√	√
NVIDIA Jetson AGX Orin 64GB 2048-core Ampere GPU with 64 Tensor Cores 12-core NVIDIA Arm® Cortex A78AE CPU		on request ¹	on request ¹
NVIDIA Jetson AGX Orin Industrial 2048-core Ampere GPU with 64 Tensor Cores (ECC) 12-core NVIDIA Arm® Cortex A78AE CPU		on request ¹	on request ¹
Memory / Storage			
56-bit LPDDR5 RAM (204.8GB/s) soldered on module		32GB	32GB
MMC 5.1 Flash Storage on board		64GB	64GB
1.2 2280 Key M socket (for 240GB – 2TB NVMe SSD)		1	1
eatures			
nertial measurement unit (IMU) STMicro ISM330DHCXTR		√	√
Real time clock (RTC), with battery backup Renata CR2477 (950 mAh)		√	√
communication Interfaces			
isplayPort 1.4a @ 8K60 behind the service cover (rear)		1	1
Iternal USB version 2.0 behind the service cover (rear), for device flashing and SSH access	only (micro USB Type AB)	<u>'</u>	<u>·</u>
SB version 2.0 behind the service cover (rear)	(Type A)	2	2
SB version 3.1 (5 Gbit/s) with dustcap	(Type A)	<u>-</u>	1
hernet 10GbE (10GBASE-T)	(M12 female, x-coded)	1	<u>'</u>
hernet IGBE (100/1000 BASE-T)	(M12 female, x-coded)	1	1
AN 2.0A / CAN 2.0B (active/passive), CAN FD supported, isolat		2	2
PIOS (Digital I/O's), current sinking, isolated 12/24VDC	(M12 male, a-coded)	4in / 2out	4in / 2out
erial RS232	(M12 male, a-coded)	4III / 20ut	4III / 20ut
Ill size mini PCle socket	(MIZ ITIdie, d-coded)	1	1
SB version 2.0 ¹	(MIO formale a goded)	·	·
	(M12 female, a-coded)	on request	on request
× IGbE Power over Ethernet (PoE+), IEEE802.3at taller housing: h100mm	(M12 female, x-coded)	on request	on request
p to 8× GMSL2 camera inputs ^{taller housing:} h100mm	(Fakra-Z)	on request	on request
Vireless Connectivity			
ellular 4G Module (LTE/UMTS/GSM) with GNSS Sierra Wireless EM759		3 × SMA	none
/ireless LAN 802.11ax/ac/a/b/g/n (Wi-Fi 6E) dual-band 2x2 MIMO	Intel AX210	2 × RP-SMA	none
ellular 5G module (4G/3G fallback) with GNSS		on request	on request
igh precision multiband GNSS module with optional heading sup	pport ¹ u-blox ZED-F9P/F9R	on request	on roquoet
. 0 1			on request
echnical Data			Omequest
echnical Data imensions excl. mounting holes [mm]		w250 × h75 × d170	w250 × h75 × d170
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echnical Data mensions excl. mounting holes [mm] et weight [gram]	ion (M12 male, L-coded)	w250 × h75 × d170	w250 × h75 × d170
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Internal connector
Depending on installation situation and interface connection. Please see user documentation.
On all possible components (excl. AGX Orin module, connectors and wireless devices)