



- **NVIDIA® Jetson AGX Orin™, Up to 275 TOPS**
- **Best in Class Cybersecurity**
- **Camera Support**
- **Connectivity Options**
- **Road Vehicle Certified, Designed to E-Mark**
- **Compact and Fanless**
- **Easy to Program**
- **Cloud Certified**



Features

GPU ACCELERATED : Powered by NVIDIA® Jetson AGX Orin™ with an Ampere GPU with up to 2048 CUDA cores, 64 Tensor cores that delivers up to 275 TOPS of AI performance

BEST IN CLASS CYBERSECURITY : Designed to ISA/IEC 62443-4-2 SL2 (Hardware and Software), antitampering monitor and logger (always on and power independent), and TPM 2.0

CAMERA SUPPORT : Support to 4x PoE, 1x 10GbE, up to 9x 1GbE, up to 9x USB 3.0 Gen1 and 8x GMSL2 Ports (Factory Option)

CONNECTIVITY OPTIONS : Breadth of connectivity options: LTE Cat 4 Global cellular modems for multiple geographies, Wi-Fi 6E and Bluetooth 5.3

EVERYWARE GREENEDGE : With Everyware GreenEdge, the ReliaCOR 31-11 acquires additional capabilities, evolving into the industry's first fully integrated gateway with Zero-Touch provisioning, AWS IoT Greengrass v2, Eurotech's Everyware Software Framework for IIoT equipment configuration and edge computing, and Everyware Cloud for full edge (and asset) lifecycle management

COMPACT AND FANLESS : Offering great reliability thanks to no moving parts; no ventilation grids to prevent dust accumulation inside the unit

EASY TO PROGRAM : Build your first pilot IIoT project in a snap: from when you get the Everyware GreenEdge gateway on your desk, you need 30 minutes to get onboard on Everyware Cloud and easily provision your gateway on your AWS IoT environment. Starting building your first edge applications like a store-and-forward datalogger in 10 minutes

CLOUD CERTIFIED : Seamless integration with Eurotech Everyware Cloud, AWS IoT Core and other Cloud services

Description

The ReliaCOR 33-11 is a fanless embedded Edge AI system based on NVIDIA® Jetson AGX Orin™ that has been designed for demanding AI applications in areas such as automotive vehicles, security and surveillance, robotics, industrial automation, and smart cities.

The ReliaCOR 33-11 is powered by the NVIDIA® Jetson AGX Orin™ platform that features an Arm® Cortex®-A78AE CPU delivering up to 275 TOPS of AI performance and integrates an advanced NVIDIA Ampere architecture GPU with 64 Tensor Cores. It supports rich I/O interfaces: Up to 8x 1GbE, up to 4x PoE, 1x 10GbE, 1x USB 3.2 Gen 2 (10Gbps), up to 8x USB 3.0 Gen 1, two serial ports, 2x CAN interface, isolated Digital I/Os and 8x GMSL2 Ports (2x Quad FAKRA) as a factory option. The ReliaCOR 33-11 features with a wide range of wireless connectivity capabilities: it can integrate as a factory option a LTE Cat 4 Global cellular modem with GNSS, 5G Ready, Wi-Fi 6E and Bluetooth 5.3. Thanks to dual universal bays, additional interfaces can be added (such as 4G/5G cellular modules, 2x 10GbE ports, 4x GbE on RJ45 or M12, with optional PoE, more USB ports).

The ReliaCOR 33-11 offers best in class Cybersecurity: it leads the market with ISASecure/IEC 62443-4-1/-4-2 SL2 (Factory Option). Protection starts at the hardware level, with full support for TPM 2.0, Secure Boot and an always-on physical antitampering monitor/logger that is active even when the

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FANLESS AI PC - NVIDIA AGX Orin - PoE - Expandable

system is removed from power.

The ReliaCOR 33-11 comes with [Everyware Software Framework \(ESF\)](#), a commercial, enterprise-ready edition of Eclipse Kura, the open source Java/OSGi middleware for IoT Edge Gateways. Distributed and supported by Eurotech, ESF supports ready-to-use field protocols, MQTT connectivity, web-based visual data flow programming and deep configuration. ESF is also integrated with [Everyware Cloud \(EC\)](#), Eurotech IoT Integration Platform (separately available), enabling advanced diagnostics, provisioning, and full remote device access and management.

The ReliaCOR 33-11 can be configured with [Everyware GreenEdge](#), the ReliaCOR 33-11 transforms into the first industrial Embedded Edge AI fully integrated with Zero-Touch provisioning and full trusted chain from manufacturing to deployment, [AWS IoT Greengrass v2](#), and ESF+EC, providing a few-clicks onboarding experience and immediate deployment in most countries, eliminating the need for extensive coding and transforming the device management and IoT operations into a smooth workflow. In addition to its technical advantages, Everyware GreenEdge comes with a unified billing system for all software and services related costs through the Amazon Marketplace. This simplifies the procurement process, making it easier for customers to access and manage the solution while also benefiting from AWS's trusted billing infrastructure.

FANLESS AI PC - NVIDIA AGX Orin - PoE - Expandable

Ordering Code: RECOR-33-11-xx-yy				
Hardware Configuration (-xx)		-01	-12	-24
NVIDIA MODULE	Core	NVIDIA® Jetson AGX Orin™ 32GB		NVIDIA® Jetson AGX Orin™ 64GB
	CPU	8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU, 2MB L2 + 4MB L3		12-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU, 3MB L2 + 6MB L3
	GPU	1792-core NVIDIA Ampere GPU with 56 Tensor Cores		2048-core NVIDIA Ampere GPU with 64 Tensor Cores
	Memory	32GB LPDDR5		64GB LPDDR5
	AI Performance	200 TOPS		275 TOPS
	Embedded Storage	64GB eMMC 5.1		
STORAGE	NVME	128GB, M.2 Key M, PCIe x4, TLC	256GB, M.2 Key M, PCIe x4, TLC	512GB, M.2 Key M, PCIe x4, TLC
	SD	1x Micro SD Socket		
I/O INTERFACES	1GbE Ethernet	1x 1GbE (RJ-45)	1x 1GbE (RJ-45), 4x 1GbE with PoE (RJ-45)	9x 1GbE (RJ-45)
	PoE	-	Yes*	-
	10GbE Ethernet	1x 10GbE (RJ-45)		
	USB	1x USB 3.2 Gen 2 (Type A), Flash: 1x USB 2.0 (Type A), Console: 1x USB Type C		
	Serial	2x RS-232/422/485 (DB9)		
	CANBus	2x CANBus (DB9)		
	Digital IN	8x Isolated; Terminal Block		
	Digital OUT	8x Isolated; Terminal Block		
	Video	1x HDMI, 3840 x 2160 @ 60Hz		
	Camera Input	Factory Option: 8x GMSL2 Ports (2x Quad FAKRA) Default: Not Fitted		
RADIO INTERFACES	Cellular	Factory Option		
	GNSS	Factory Option		
	Wi-Fi/BT	Factory Option		
CYBER (HW)	TPM	TPM 2.0		
	Antitampering	Antitampering Switches		
COOLING	Technology	Fanless and Ventless		
POWER	Power Input	9 - 48VDC* Terminal Block; Ignition Key Sense		
INTERNAL EXPANSIONS	M.2 Key B	1x M.2 Key B (3042/3052, USB 3.2 Gen2)		
	M.2 Key E	1x M.2 Key E (2230, PCIe x1, USB 2.0)		
	M.2 Key M	1x M.2 Key M (2242/2260/2280, PCIe x4)		
EXTERNAL EXPANSIONS	Expansion Bays	2x Expansion Bays	1x Expansion Bays	-
ENVIRONMENTAL	Operating Temperature	-20°C to +60°C* with mild external air flow		
	Storage Temperature	-40° to 85°C		
	Relative Humidity (Non-condensing)	10 to 95% non Condensing		

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Hardware Configuration (-xx)		-01	-12	-24
CERTIFICATIONS	Regulatory	CE, FCC, ISED		
	Safety	IEC 62368-1, UL62368-1 (UL Listed)		
	Radios	Factory Option: RED (EU) (§)		
	Environmental	ROHS3, REACH		
	Cybersecurity	ISA/IEC 62443-4-1/-4-2 SL2 (§)		
	Vertical	E-Mark (Automotive) (§)		
	Vibration	IEC60068-2-64:2008;Designed to comply with MIL-STD-810G Method 514.7 Procedure I		
	Shock	IEC60068-2-27:2008;Designed to comply with MIL-STD-810G Method 514.7 Procedure I		
	Ingress	IP40		
	IoT Platform	GreenEdge (§), AWS IoT GreenGrass qualified (§), AWS IoT Core qualified (§)		
MECHANICAL	Enclosure	Extruded Aluminum with Heavy Duty Metal		
	Weights	5.02 kg		
	Dimensions	270 (W) x 190 (D) x 95 (H) mm		
	Mounting Options	Wall Mounting/DIN rail (Optional)		

* Check User Manual for more information
§ Contact Eurotech

Ordering Code: RECOR-33-11-xx-yy					
Software Configuration (-yy)		-02	-03	-04	-09
OS	JetPack	Yes			
IOT FRAMEWORK	Everyware Software Framework (Java/OSGi)	-	Yes		
SUITE AND SERVICES	Everyware GreenEdge (EGE)	-		Yes (§)	-
SOFTWARE HARDENING	Hardening	-			Yes (§)
CERTIFICATIONS	Cybersecurity	-			ISASecure/IEC 62443-4-1/-4-2 SL2 Host (§)
	IoT Platform	-		AWS IoT Core (§), AWS IoT GreenGrass (§)	-

§ Factory Option (Required MOQ), Contact Eurotech for more information