ReliaCOR 30-11 - Edge IPC

FANLESS BOX PC - Intel Core - Compact

- **Versatile Vision and Inference**
- **Fanless Industrial Grade IPC**
- **10th Generation processors up to Intel® Core™ i7 (Comet Lake)**
- **Compact and light**
- **Configuration Service**

Features

Compact and Fanless : Offering great reliability thanks to no moving parts; no ventilation grids to prevent dust accumulation inside the unit

Designed for Industrial Environments : Meets the most demanding requirements of Industrial environments: select components and rigorous testing to ensure reliable operation; DC, industrial grade power supply for seamless deployment

Capable CPU : With an Intel Core i7 CPU, it supports a large variety of workloads, including general purpose computing, data logging, HMI

Large Storage : One internal bay for 2.5" SATA drives supporting a wide range of storage capacity to support applications such as Edge Database, NVR, data logging

Simple to Deploy : Extremely compact to fit easily in dense installations; with wall mount and custom mounting options to simplify the development

Configuration Service : Highly modular design, allows for personalized configurations, ranging from personalization (brand, color) to deeper customization, to match complex project requirements

Description

The ReliaCOR 30-11 is a compact, fanless platform that supports a wide range of workloads at the Edge.

Designed for industrial use cases, it offers reliable operation thanks to industrial grade ruggedization and a robust power supply. Very compact and power efficient, the ReliaCOR 30-11 can be deployed in dense installations; an optional mounting accessory further increases its versatility. Completely fanless and without ventilation grids, it offers great resilience and reliability even under extreme load.

The ReliaCOR 30-11 features a top-of-line Intel Core i/ CPU, to deliver power efficient computational crunch, with plenty of RAM thanks to a dual SO-DIMM. It offers a very complete set of interferences, including dual Ethernet, six USB 3.2 ports and two serial ports; thanks to a PCIe Slot, additional interfaces and devices can be added (such as CAN/CAN-FD, isolated RS-232/422/485) thanks to Eurotech configuration service.

Eurotech configuration management service offers a simple and fast way to fine tune the ReliaCOR 30-11 to your project requirements; examples of personalized configurations include custom branding (with logo and custom colors) and can go to deep customization with a range of options such as frame grabbers, choice of internal components, etc.: call us for more information on how to take advantage of the ReliaCOR 30-11 flexibility.

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Ordering Code: RECOR-30-11-XX				
XX		-07	-08	-09
PROCESSOR	CPU	Intel Core i3-10100TE	Intel Core i5-10500TE	Intel Core i7-10700TE
	Cores/ Threads	4 Cores / 8 Threads	6 Cores / 12 Threads	8 Cores / 16 Threads
	Frequency	2.30 GHz /3.60 GHz	2.30 GHz / 3.70 GHz	2.00 GHz / 4.40 GHz
	TDP CPU	35W		
MEMORY	RAM	8GB DDR4	16GB DDR4	32GB DDR4
STORAGE	OS Disk	1x 500GB NVMe, MLC; M.2 2280 key M (PCIe x4)		
	Data	1x 240GB SATAIII SSDs 2.5"	1x 960GB SATAIII SSDs 2.5"	1x 1.92TB SATAIII SSDs 2.5"
I/O INTERFACES	Ethernet	2x 10/100/1000 (RJ-45)		
	USB 3.0	6x USB 3.2 Gen 1 (Type A)		
	Serial	2x RS-232/422/485 (DB9)		
	Video Output	1x DisplayPort 1.2; 1x HDMI 1.4b; 1x DVI-D		
	Audio	3x Audio (Line-In, Line-Out, Mic)		
CYBERSECURITY (Hardware)	TPM	TPM 2.0 Support		
EXPANSIONS	Internal	1x M.2 (E-key, type:2230), 1x M.2 (M-key, type:2280)		
	External	1x expansion slot for the use of a low-profile PCIe x16		
COOLING	Technology	Passive Air Cooling		
POWER	Input	6 ~ 32VDC (24VDC Nominal) / max. System Power 55W > 1 min / 140Watt max.		
ENVIRONMENT	Operating Temp	0 to +55°C		
	Storage Temp	-20 to +70°C		
	Relative Humidity	10 to 90 % (non condensing)		
CERTIFICATIONS	Regulatory	EU/UK: CE, UKCA; North America: Factory Option; Japan: Factory Option;		
	Safety	Low voltage safety (2014/35/EU); EN 62368, UL 62368 (§)		
	Environmental	RoHS3, REACH		
	Ingress	IP20		
MECHANICAL	Enclosure	Material: Robust sheet metal, Color: Blue		
	Dimensions	310 x 90 x 235 mm (W x H x D)		

§ UL, NRTL listing Factory Option.

SOFTWARE		
SOFTWARE	OS	Linux (Ubuntu 22.04 LTS); Win 10/11/Server
	IoT Framework	Everyware Software Framework (Java/OSGi)

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