Embedded Computer powered by NVIDIA® Jetson Orin™

INONET
A EUROTECH COMPANY

ACCELERATED AI
Ruggedized Edge AI Computers for AI performance acceleration with I/O expansion and scalable NVIDIA® Jetson Modules

APPLICATIONS
AI / Machine vision, Optical inspection, Crowd analytics and Scene detection

BUILT TO LAST, DESIGNED FOR YOU
Our in-house engineering realizes customized modifications – from proof of concept in a few days to production in just a few weeks.

IEC
IEC 62443

BEST IN CLASS CYBERSECURITY

ISA / IEC 62443-4-1/-4-2 SL2 (Hardware plus Software) certified, anti-tampering monitor and logger, TPM 2.0, full hardware hardening with a multi-layered security architecture and advanced encryption and authentication mechanisms

COMPACT AND FANLESS

High 24/7-reliability without moving parts, no vents, high temperature range up to 60°C

DEVICE LIFECYCLE MANAGEMENT

Extended remote access and OTA updates, zero-touch provisioning and no-code-asset-to-cloud configuration for simplified implementation and integration with partner applications such as AWS IoT Greengrass and other Cloud services

ReliaCOR 31-11

ReliaCOR 33-11

MID-RANGE
NVIDIA® Jetson Orin™ NX

GPU ACCELERATED
Powered by NVIDIA® Jetson Orin™ NX with up to 100 TOPS of GPU accelerated computing
CAMERA SUPPORT
Support to 4x PoE cameras plus 4x USB 3.1 cameras
CONNECTIVITY OPTIONS
LTE Cat 4 Global cellular for multiple geographies
(RED Certified), Wi-Fi 6E and Bluetooth 5.3

HIGH-PERFORMANCE
NVIDIA® Jetson AGX Orin™

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 for AI performance
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
LTE Cat 4 Global cellular modems for multiple geographies, Wi-Fi 6E and Bluetooth 5.3
E-MARK CERTIFIED

NVIDIA® Jetson Embedded PCs
Cybersecurity certified (Configuration examples)

IEC 62443

Eurotech ReliaCOR 31-11

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Technology

	Eurotech ReliaCOR 31-11	Eurotech ReliaCOR 33-11
CORE	NVIDIA® Jetson Orin™ NX	NVIDIA® Jetson AGX Orin™
CPU	6/8-Core arm® CORTEX® A78AE v8.2 64-bit	8/12-Core arm® CORTEX® A78AE v8.2 64-bit
Industrial Mainboard	embedded	embedded
Memory	Max. 16 GB DDR5	Max. 64 GB DDR5
AI	1024-Core NVIDIA® Ampere GPU	1792/2048-Core NVIDIA® Ampere GPU

Security

Hardware	TPM 2.0 Support Switch for tamper protection	TPM 2.0 Support Switch for tamper protection
Certification	ISA/IEC 62443-4-1/-4-2 SL2	ISA/IEC 62443-4-1/-4-2 SL2

Storage

Intern	1x M.2 M-key	1x M.2 M-key, 64 GB eMMC 5.1
Extern	–	1x Micro SD Slot

I/O & Expansion

USB 3.2	4x	1x, 2x USB-C
USB 2.0	–	1x
LAN	4x 1 GBit	1x 10 GBit, Optional up to 9x 1 GBit
Display	HDMI	HDMI
Serial	2x RS-232/485	2x RS-232/422/485
Audio	–	–
Slots	1x M.2 E-key 1x M.2 B-key	1x M.2 E-key 1x M.2 B-key

Power supply

Power	9 ~ 36 VDC	9 ~ 48 VDC
Connection	Terminal Block	Terminal Block with Ignition Pin

Mechanics

Dimensions (W x H x D)	240 x 79 x 261 mm	270 x 95 x 190 mm
Cooling	Passiv	Passiv
Mounting	Wall Mount, Desktop, DIN-Rail	Wall Mount, Desktop, DIN-Rail

Environment

Operating temperature	-20° ~ 55° C	-20° ~ 60° C
Storage temperature	-30° ~ 85° C	-40° ~ 85° C
Relative humidity (non-condensing)	10 – 95%	10 – 95%
IP-Protection	IP20	IP20