



QNX™
SDP 7.x and 8.0

RT-TRE Series

Real-Time RACK IPC

- RACK 3U IPC for Operational Technology (OT) and Real-Time (RT) applications
- Compatible with all major Real-Time Operative Systems (RTOS) like QNX & INTime.
- Compatible with all major industrial Real-Time Ethernet and fieldbus protocols. Solution by HILSCHER
- Up to 6x Real-Time Ethernet or Fieldbus protocols.
- Intel® 12th, 13th and 14th Gen Processors with Intel ECI and TCC
- Up to 128GB ECC/Non-ECC RAM
- 24 VDC or 220 VAC Power option
- 8x USB 3.2 + 2x COM (RS232/422/485) + 1x HDMI 1x DP + 1x VGA
- 3x 2.5 Gigabit Ethernet LAN with IEEE 1588 and TSN
- 2x PCIe x16, 2x PCIe x4, 2x PCIe x1, 1x PCI
- WIFI and/or 4G/5G connectivity (Optional)
- Rack 19" 3U Mounting

intel®

CE

FC

RoHS
COMPLIANT

MAINBOARD

CPU: Intel® 12th, 13th and 14th Gen Processors
Up to 24 Core / 32 Thread
From 1.0 GHz (Base) to 5.2 GHz (Turbo), 125W

MEMORY

Capacity: up to 128GB
Frequency: 5600 MHz
Type: 2x Dual Channel DDR5 UDIMM
ECC/Non-ECC

STORAGE

SATA: 4x SATA3
M.2: 1x M.2 M. Key (2242/2280) [SATA/NVMe]
1x M.2 M. Key (2242/2280) [NVMe]
Storage Bay: 1x Internal 2.5" SSD slot

I/O INTERFACE

Serial ports: 2x COM RS232/422/485
4x COM RS232 (optional)
USB ports: 8x USB 3.2
2x USB 2.0 (optional)
M.2: 1x M.2 E-Key Slot (2230)
1x M.2 B-Key Slot (3042/3052)
SIM: 1x Internal SIM Slot (NanoSIM)
AUDIO: 1x Line-In + out + Mic
PCI/PCIe Slot: 2x PCIe x16, 2x PCIe x4,
2x PCIe x1, 1x PCI

VIDEO

GPU: Intel® UHD Graphics
Interface: 1x HDMI 2.0b (Up to 4096x2160 @60Hz)
1x DP 1.4a (Up to 4096x2160 @60Hz)
1x VGA (Up to 1920x1080 @60Hz)

ETHERNET

LAN: 3x Intel i225-V/LM 2.5 Gigabit LAN (iAMT)

POWER

Power in: 24VDC or 220 VAC
Max Power : TBD

MECHANICAL

Material: Steel
Dimensions: (W)482x(D)518x(H)133.5mm
Weight: < 12 Kg
Mounting: RACK 19" 3U Mounting

ENVIRONMENT

Operating temp.: -20°C to +60°C - w/Air Flow
Storage temp.: -20°C to 85°C
Humidity: 0% to 90% RH @40°C, non-condensing
MTBF: 337,963 hours / 38.58 years
EMC: CE, FCC, RoHS

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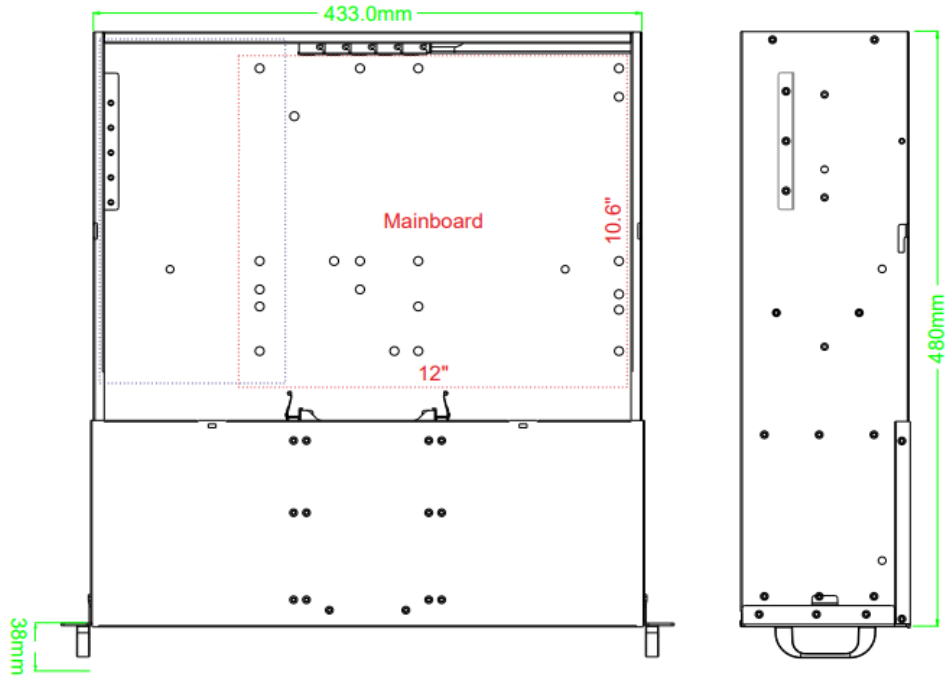
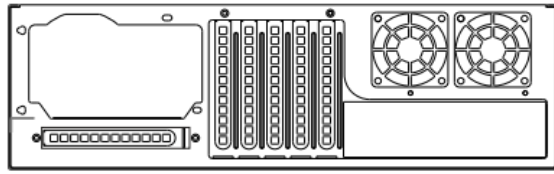
CE FC

Website: www.indatech.it

Email: info@indatech.it

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INDATECH®



Accessories Included:

- IEC Power cable (only with 220VAC PSU)
- Screw pack



Compatible OS:

MS WINDOWS (64bit)

- Windows 10
- Windows 10 Enterprise LTSC (IoT)
- Windows 11
- Windows 11 Enterprise LTSC (IoT)



LINUX *

- CentOS 8
- Debian 12.5
- Fedora 40
- Ubuntu 22.04.4 LTS
- pfSense 2.7.2



RTOS *

- Blackberry QNX
- TenAsys INtime



- Wind River VxWorks
- IntervalZero RTX64



* LINUX distributions & RTOS tested with the IPC.

Order Code:

Contact your sales representative for configuration.

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Our industrial IPC solution has been designed to ensure full compatibility with HILSCHER PC cards, the result of a synergistic collaboration between INDATECH and HILSCHER, which combines technological innovation with expertise in the field of industrial automation.

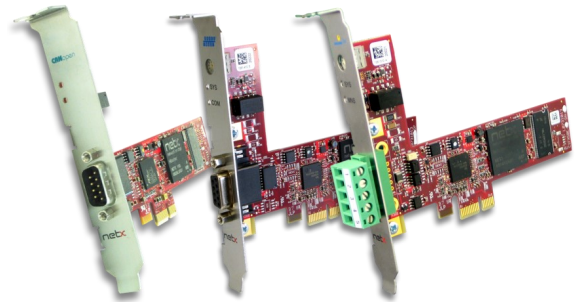
Real-Time Ethernet Communications:

- **EtherCAT** *Master / Slave*
- **EtherNet/IP** *Scanner / Adapter*
- **Open Modbus TCP**
- **PROFINET** *Controller / Device*
- **SERCOS** *Master / Slave*
- **POWERLINK** *Controlled Node only*
- **VARAN** *Client only*
- **CC-Link IE Field Basic** *Slave only*



Fielbus Communications:

- **CANopen** *Master / Slave*
- **DeviceNet** *Master / Slave*
- **PROFIBUS (also MPI)** *Master / Slave*
- **AS-Interface** *Master only*
- **CC-Link** *Slave only*



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