

InoGest® Copy-Station tXf-v3-L-R680E

Compact, actively cooled system for use as a copy station in the automotive environments

Features

- **High-Performance with Intel® Core™ i CPUs 12th/13th/14th Generation**
- **Incl. QuickTray®-v3 with up to 240 TB**
- **Slim form factor, perfect for transportation**
- **Up to 2x 25 GBit LAN**
- **Hardware-based data encryption possible**
- **Optional Wi-Fi/Bluetooth/ GNSS/LTE (5G on request)**



Configuration example

Further configurations on request!*

Mainboard:

Industrial Mainboard (mini-ITX), 24/7 operation, long-term available

Processor:

Intel® Core™ i 12th/13th/14th Generation up to 65 Watt TDP, Socket 1700
Chipset: Intel® R680E
Intel® Turbo-Boost: Depends on the selected configuration

Memory:

2x DDR5 SO-DIMM, max. 5600 MHz max. 64 GB

Graphic:

Onboard Intel® UHD 730/770 (depending on CPU)

Drive Bays:

Internal
2x M.2 (M-key, type: 2280)
External
2x 2.5" SATA-III SSD in shuttle QuickTray®-v3
Up to 240 TB, via RAID controller
PCIe x8 (Gen 4), optional data encryption

I/O:

Back
1x 2,5 GBit LAN (RJ45), iAMT support
2x 25 GBit LAN (SFP28), NVIDIA® ConnectX®-6 Lx, PCIe x8 (Gen 4)
Opt. 4x 1 GBit LAN (RJ45) with PoE
2x Display Port 1.4a
1x RS-232
1x RS-232/422/485
6x USB 3.2 (2x Gen 2, 4x Gen 1)
2x USB 2.0
3x Audio (Line-In, Line-Out, Mic)
Internal
1x LVDS / eDP
1x GPIO Header (8 Bit)

Features:

Watchdog Timer, iAMT, TPM 2.0

Power Supply:

12 ~ 48 VDC, 500/600 Watt
NL4 connector (Neutrik)
Efficiency >94%

Optional

11 ~ 30 VDC, 250/300 Watt
NL4 connector (Neutrik), four-pin with ignition pin

Mechanical:

Chassis
Robust 1 mm galvanized sheet steel with powder coating (On request: Intrusion Detection)
Dimensions (W x H x D)
215 x 224 x 303 mm
Cooling
Active, 2x 80 mm fans
Filter cartridge incl. mat
Mounting
Wallmount, Desktop, 19" compatible (On request: two systems side by side)

Communication:

Wi-Fi/Bluetooth (optional)
Intel® M.2 Module
802.11ax Dual Band 2x2 160MHz
Bluetooth® 5.1
GNSS/LTE (optional)
Support for GPS, GLONASS, BeiDou, Galileo, QZSS
Micro SIM slot for 3G/4G
(On request: 5G with additional antennas)

Environment:

Operating Temperature
0° ~ 55° C
Storage Temperature
-20° ~ 70° C
Relative Humidity (operation)
10 ~ 90 % (non condensing)
IP Protection
IP20

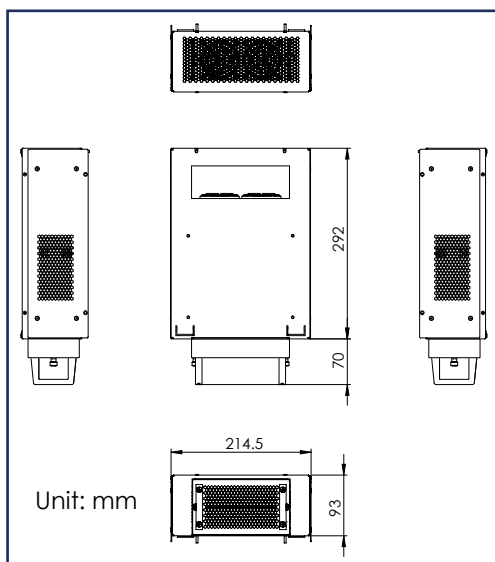
Operating System:

Microsoft® Windows® 10/11, Linux®

* The final configuration must take care of the power and cooling capacity of the power supply and the system fans.

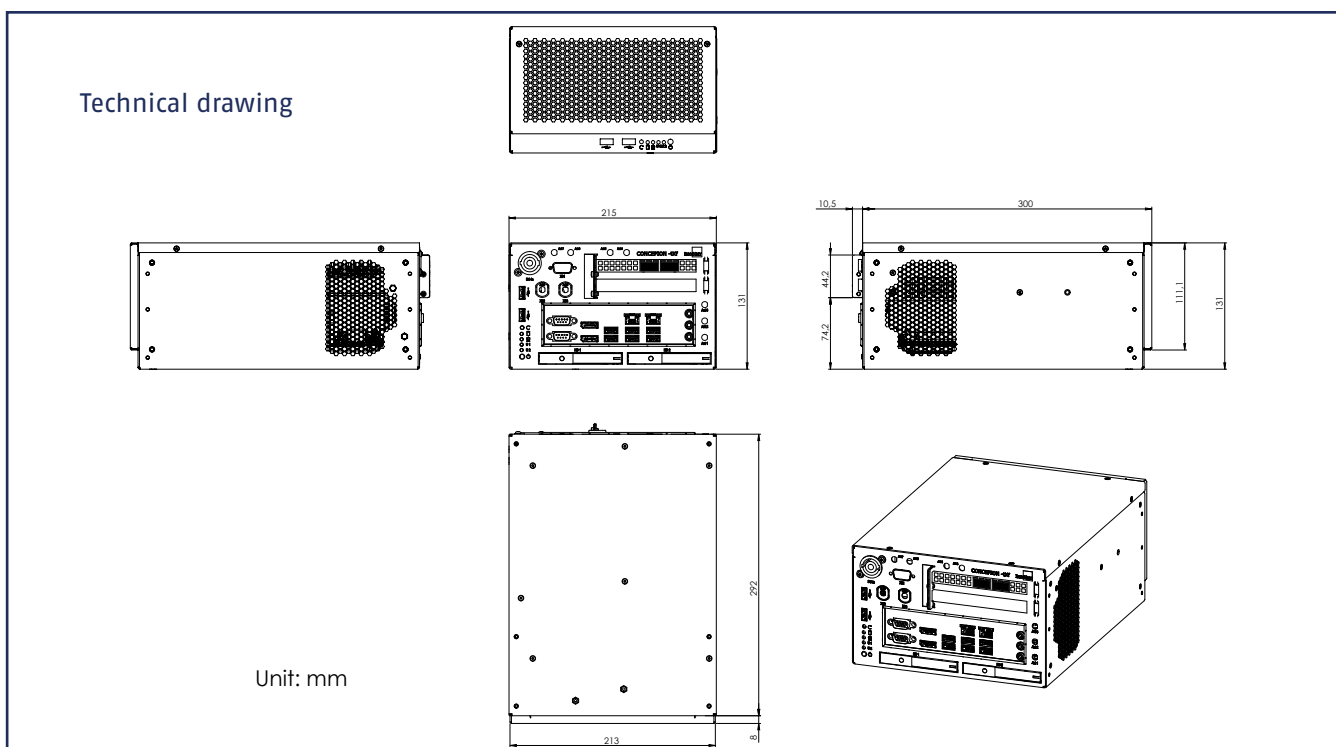
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Additional illustrations



Technical drawing
QuickTray®-v3 extension

Wi-Fi/Bluetooth and
GNSS/LTE (optional)
(Fig. without QuickTray®-v3 extension)



InoNet Competences and Services



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