

## Conception®-tXf-L-v3 - Copy Station

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

### Features

- High-Performance with Intel® Core™ i CPUs 10<sup>th</sup> Generation
- Incl. QuickTray®-v3 with up to 120 TB
- Slim form factor, perfect for transportation
- Up to 2x 10 GBit LAN
- Hardware-based data encryption possible
- Optional Wi-Fi/Bluetooth/GNSS/LTE, on request 5G



### Configuration example

Further configurations on request!\*

#### Mainboard:

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

#### Processor:

Intel® Core™ i 10<sup>th</sup> Generation  
Chipset: Intel® W480E  
Intel® Turbo-Boost: Depends on the selected configuration

#### Memory:

2x DDR4 S0-DIMM, max. 64 GB

#### Graphic:

Onboard Intel® UHD 630

#### Drive Bays:

**Internal**  
1x M.2 (M-key, type: 2280)  
**External**  
2x 2.5" SATA-III SSD in shuttle QuickTray®-v3  
Up to 120 TB, via RAID controller  
PCIe x8 (Gen 3), optional data encryption

#### I/O:

**Back**  
2x 1 GBit LAN (RJ45)  
2x 1 GBit LAN (M12) (on request)  
2x 10 GBit LAN (RJ45), PCIe x4 (Gen 3)  
1x DisplayPort 1.2  
1x DVI-D  
1x HDMI 1.4b  
2x RS-232/422/485  
1x RS-232/422/485 (optional)  
6x USB 3.2 (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 14.0, TPM 2.0

#### Operating System:

Microsoft® Windows® 10/11, Linux®

#### Power Supply:

16 ~ 30 VDC, 400 Watt, HDPLEX for NL4 connector (Neutrik)

#### Optional

11 ~ 34 VDC, 250/300 Watt, M4-ATX for NL4 connector (Neutrik) four-pin with ignition pin  
Efficiency >94% @ 50% load

#### Expansions:

1x M.2 (E-key, type: 2230)

#### 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)

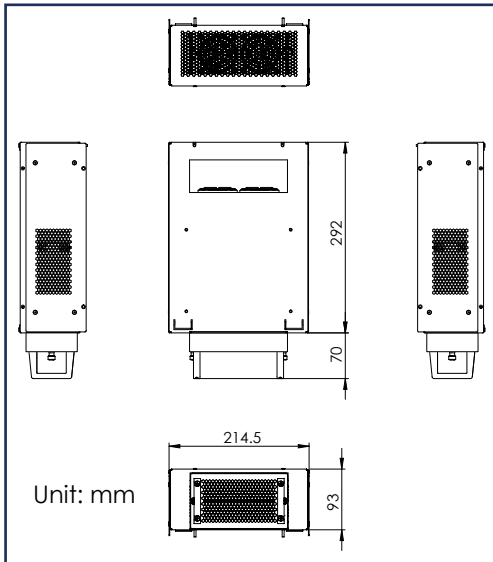
##### IP Protection

IP20

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

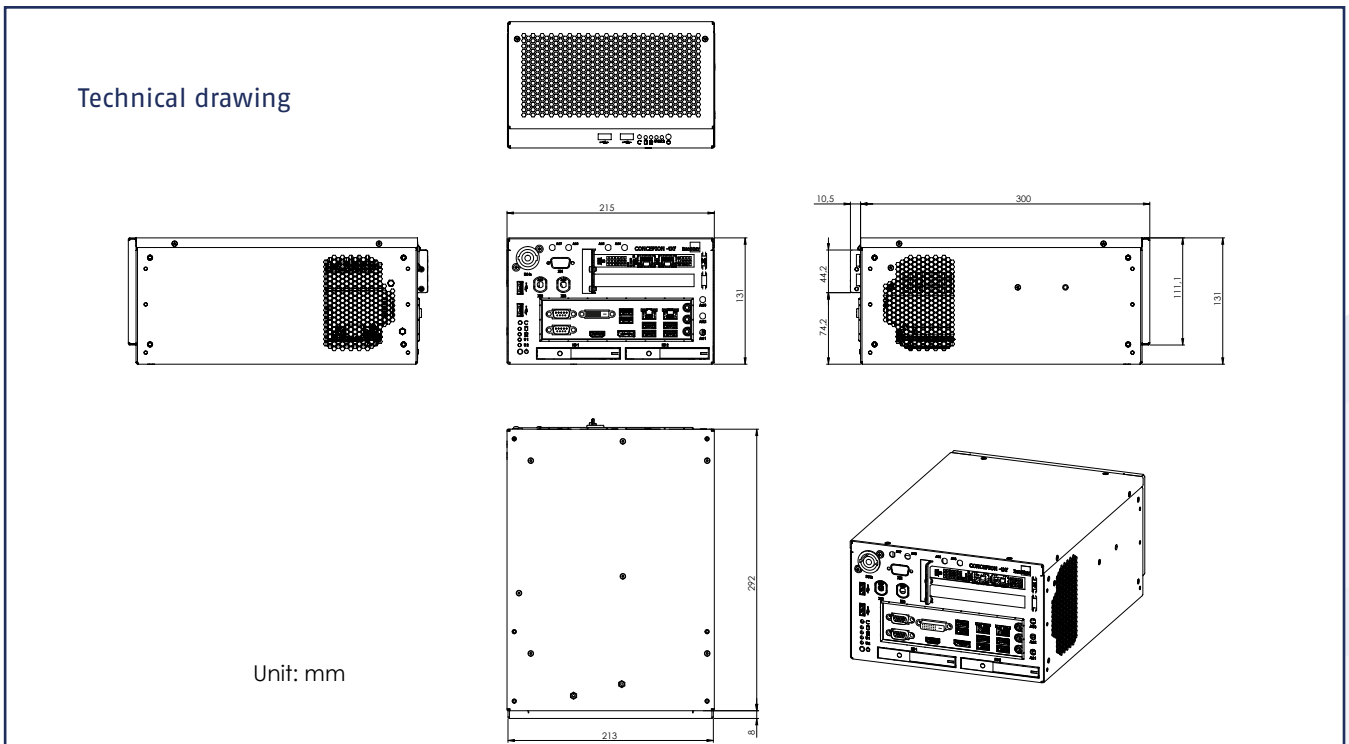
# Conception®-tXf-L-v3 - Copy Station

## 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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