Tensor-I20 pre-configured barebone versions

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Tensor-I20 Multi-LAN

Tensor-I20 Multi-LAN is a fanless, fully configurable industrial PC, featuring 9 LAN ports and full PC capabilities.

Ideal for Firewalls, switches, routers, virtual servers, etc.

Features

- Intel Core i5-9300H CPU at 25W
- Up to 64GB DDR4 RAM
- 1x DisplayPort + 1x mini DisplayPort + 1x HDMI
- 1x M.2 Key-M for optional NVMe storage
- 9x 1GbE full-bandwidth LAN
- 4x USB 3.1
- 1x M.2 Key-E with Wi-Fi / BT module
- 1x M.2 Key-B for optional M.2 Cellular modem
- Headphones out + mic. in on 3.5mm jacks
- Power: 12V, including 100-240V 60W PSU and AC cord
- Enclosure: Width 30cm | Internal height 25mm | Ribs 10mm
- Dimensions: 20x30x3.5cm


Optional installations:

RAM: Non ECC 8GB/16GB/32GB/64GB | ECC 16GB/32GB/64GB
Storage: NVMe SSD 256GB/1TB
Wi-Fi/BT: Wi-Fi 6/ Bluetooth 5.1 AX200
Modem: LTE Modem Sierra EM7455
TPM: TPM 2.0 Infineon SLM 9670AQ2.0
OS: Windows 10 Professional / Linux Mint

TEls in the configuration:

1x PM-12V - Power module for 12VDC with twist lock, Incl. 60W PSU
2x TEL-LAN4 - 4x Gbit Ethernet
1x TEL-AUDIO - Analog headphones / line-out + microphone on 2x 3.5mm
1x TEL-USB3X4V - 4x USB 3.1 type A
1x TEL-NVME - Compartment for an M.2 NVMe SSD
1x TEL-STD - DisplayPort + Gbit Ethernet
1x TEL-M2B - Compartment for M.2 key-B card with SIM card tray + 2 antennas
1x TEL-M2E - Compartment for M.2 key-E card + 2 antennas
1x TEL-HDMIMINIDP - HDMI + mini DisplayPort

Common configuration changes for this model:

- Processor options: Intel Xeon E-2276ML/Core i7-9850H/i5-9300H/i3-9100HL/Celeron C4932E
- Reduction in quantity of LAN ports
- Additional USB ports

Note: Some configuration changes may require enclosure enlargement
Tensor-I20 Multi-COM

Tensor-I20 Multi-COM is a fanless, fully configurable industrial PC, featuring 8 RS232/RS485 half/full duplex ports and full PC capabilities.

Ideal for industrial control stations, test and measuring equipment, bar code scanners and other point of sale devices.

**Key features**
- Intel Celeron G4932E CPU at 15W
- Up to 64GB DDR4 RAM
- 1x DisplayPort
- 1x M.2 Key-M for optional NVMe storage
- 1x GbE LAN
- 8x RS-232/RS-485 on DB9
- 4x USB 3.1
- Power: 12V, including 100-240V 60W PSU and AC cord
- Enclosure: Width 20cm | Internal height 49mm | Ribs 10mm
- Dimensions: 20x20x5.9cm

**Full PN:** TENSOR-I20A-EW20-EH49AC-ECR10-C4932-FFA-FF-FH*2-FHB*6-FJ-F0

**Optional installations:**
- RAM: Non ECC 8GB/16GB/32GB/64GB | ECC 16GB/32GB/64GB
- Storage: NVMe SSD 256GB/1TB
- TPM: TPM 2.0 Infineon SLM 9670AQ2.0
- OS: Windows 10 Professional / Linux Mint

**TEls in the configuration:**
- 1x PM-12V - Power module for 12VDC with twist lock, Incl. 60W PSU
- 1x TEL-USB3X4V - 4x USB 3.1 type A
- 1x TEL-NVME - Compartment for an M.2 NVMe SSD
- 1x TEL-STD - DisplayPort + Gbit Ethernet
- 2x TEL-SERX4 - Up to 4x RS-232/RS-485 on DB-9
- 6x TEL-SERDB9 - DB9 extension (used w/ TEL-SERX4)

**Common configuration changes for this model:**
- Processor options: Intel Xeon E-2276ML/Core i7-9850HL/i5-9300H/i3-9100HL/Celeron C4932E
- Reduction in quantity of RS-232/RS-485 ports
- Additional USB ports

Note: Some configuration changes may require enclosure enlargement
Tensor-I20 Multi-PoE

Tensor-I20 Multi-PoE is a fanless, fully configurable industrial PC, featuring 8 PoE source (PSE) ports and full PC capabilities.

Ideal for VoIP phones, IP cameras including PTZs, WAPs, IP TV (IPTV) decoders, Network routers, etc.

**Key features**
- Intel Core i5-9300H CPU at 25W
- Up to 64GB DDR4 RAM
- 1x DisplayPort + 1x mini DisplayPort + 1x HDMI
- 1x M.2 Key-M for optional NVMe storage
- 1x GbE LAN
- 8x 1GbE full-bandwidth PoE source
- 4x USB 3.1
- 1x M.2 Key-E with Wi-Fi / BT module
- 1x M.2 Key-B for optional M.2 Cellular modem
- Headphones out + mic. in on 3.5mm jacks
- Power: 1x 12V + 1x 12-56V, inc. 2x 100-240V 60W PSU
- Enclosure: Width 30cm | Internal height 25mm | Ribs 20mm
- Dimensions: 20x30x4.5cm

**Full PN:** TENSOR-I20A-EW30-EH25A-ECR20-C9300-WX200-FD-FEA-FF-FG-FJ-FK-FO-FP-FU*4

**Optional installations:**
- RAM: Non ECC 8GB/16GB/32GB/64GB | ECC 16GB/32GB/64GB
- Storage: NVMe SSD 256GB/1TB
- Wi-Fi/BT: Wi-Fi 6/ Bluetooth 5.1 AX200
- Modem: LTE Modem Sierra EM7455
- TPM: TPM 2.0 Infineon SLM 9670AQ2.0
- OS: Windows 10 Professional / Linux Mint

**TEls in the configuration:**
- 1x PM-12V - Power module for 12VDC with twist lock, Incl. 60W PSU
- 1x PM-WIDE - Power module for 12-56VDC with lock, Incl. 120W PSU
- 1x TEL-AUDIO - Analog headphones / line-out + microphone on 2x 3.5mm
- 1x TEL-USB3X4V - 4x USB 3.1 type A
- 1x TEL-NVME - Compartment for an M.2 NVMe SSD
- 1x TEL-STD - DisplayPort + Gbit Ethernet
- 1x TEL-M2B - Compartment for M.2 key-B card with SIM card tray + 2 antennas
- 1x TEL-M2E - Compartment for M.2 key-E card + 2 antennas
- 1x TEL-HDMinIDP - HDMI + mini DisplayPort
- 4x TEL-POEX2 - 2x Gbit Ethernet with PSE PoE (802.3at Type 1, 13W per port) on RJ45

**Common configuration changes for this model:**
- Processor options: Intel Xeon E-2276ML/Core i7-9850HL/i5-9300H/i3-9100HL/Celeron C4932E
- Reduction in quantity of PoE ports
- Additional USB ports

Note: Some configuration changes may require enclosure enlargement
Tensor-I20 Multi-IoT

Tensor-I20 Multi-IoT is a fanless, fully configurable industrial PC, featuring IoT interfaces and full PC capabilities.

Ideal for IoT Gateways and Industrial Control stations.

Key features
- Intel Celeron G4932E CPU at 15W
- Up to 64GB DDR4 RAM
- 1x DisplayPort
- 1x M.2 Key-M for optional NVMe/SATA storage
- 1x GbE LAN port
- 4x RS-232
- 1x CAN bus
- 4x GPIO
- 4x USB 3.1
- 1x M.2 Key-E with Wi-Fi / BT module
- 1x M.2 Key-B for optional M.2 Cellular modem
- Power: 12V, including 100-240V 60W PSU and AC cord
- Enclosure: Width 20cm | Internal height 25mm | Ribs 10mm
- Dimensions: 20x25x3.5cm


Optional installations:
- RAM: Non ECC 8GB/16GB/32GB/64GB | ECC 16GB/32GB/64GB
- Storage: NVMe SSD 256GB/1TB
- Wi-Fi/BT: Wi-Fi 6/ Bluetooth 5.1 AX200
- Modem: LTE Modem Sierra EM7455
- TPM: TPM 2.0 Infineon SLM 9670AQ2.0
- OS: Windows 10 Professional / Linux Mint

TEls in the configuration:
1x PM-12V - Power module for 12VDC with twist lock, Incl. 60W PSU
1x TEL-USB3X4V - 4x USB 3.1 type A
1x TEL-NVME - Compartment for an M.2 NVMe SSD
1x TEL-STD - DisplayPort + Gbit Ethernet
1x TEL-SERX4 - Up to 4x RS-232/RS-485 on DB-9
3x TEL-SERDB9 - DB9 extension (used w/ TEL-SERX4)
1x TEL-CANBUS - Isolated CAN bus on DB9
1x TEL-M2B - Compartment for M.2 key-B card with SIM card tray + 2 antennas
1x TEL-M2E - Compartment for M.2 key-E card + 2 antennas
1x TEL-GPIO - Terminal block of 4x GPIO + 4 headers of 4 GPIO each

Common configuration changes for this model:
- Processor options: Intel Xeon E-2276ML/Core i7-9850HL/i5-9300H/i3-9100HL/Celeron C4932E
- Additional GPIO ports
- Additional RS-232/RS-485 ports
- Additional USB ports
Note: Some configuration changes may require enclosure enlargement