

INDUSTRIAL COMPUTING



Visualize



Edge Computing

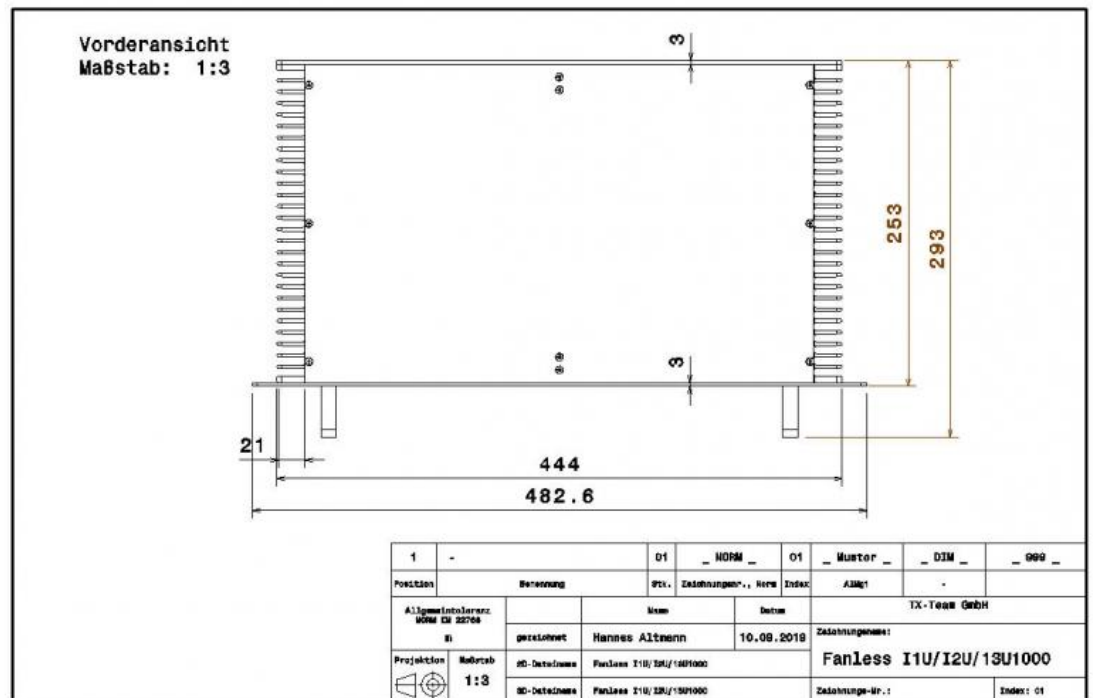


Fanless I1U1020



- Scalable performance: Intel Core i3 or i5
- 1U, 250 mm short-rack
- 1x PCIe full-size

Fanless I1U1020 is a expandable, yet compact,
1U rugged industrial computer / industrial server



IPC
FANLESS I1U1020

PN: TBD

Issued: 12/24
Status: released

Factsheet

Physical properties

Chassis	Full-metal aluminium construction, natural anodized
Dimensions	482.6x253x44 mm (WxDxH)
Cooling	Passive by heatpipes
Mounting options*	19"
Weight	3,0 kg

Hardware

Formfactor / Mainboard	Mini-ITX / Supermicro X13SAV-LVDS
CPU	Intel Core i3 14100T Intel Core i5 14500T Intel Core i7 14700T Intel Core i9 14900T
RAM	4, 8, 16, 32 GB DDR4
Storage	1x 60GB – 1TB m.2, 2x 250GB – 2TB 2.5"
Graphics	Intel HD, 2x HDMI, 2x Displayport

Communication

WLAN*	-
LTE*	-
Others	Upon request

I/O

I/O front	2x USB 2.0, 1x RS232, 2x 2.5" hotplug bay
I/O back	4x USB 3.2 gen2, 2x RJ45 (1x GLAN, 1x 2.5GLAN), 2x HDMI, 2x Displayport, 2x Audio
I/O internal**	2x USB 2.0, 2x USB 3.2, 1x RS232, 5x SATA, 1x TPM, 1x PCIe x16, 1x m.2 2230

Power supply

PSU	150W external adapter
Power input	12V DC-In, PhoenixContact plug Wide DC input optional
Redundancy	optional
Power draw	Idle: ~10W, full-load: ~45W

Compatibility

OS	Windows 10 / 11 (IoT), Linux
Others	

Environment

Operating temp. range / Humidity	0..50°C / 10...95%, non-condensing
Protection class	IP50

Compliance

Conformity	CE, RoHS, REACH
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General

Scope of delivery	IPC, documentation, PSU, certificate of conformity
Language	EN, DE
Long-term-availability	Until 2028
Warranty	3 years, optional 4, 5 years*
Country of Origin	Germany
Tariff code	84715000

*Depending on actual system configuration / may require optional accessory

**Maybe occupied due to actual system configuration