

Industrial Box Thin Client

BTC24-*



- Industrial-grade box thin client for 24/7 operation
- Long-term support with product availability for more than 5 years
- Supports up to 4 modern Ultra HD (4K) monitors with 60 Hz
- Compact footprint

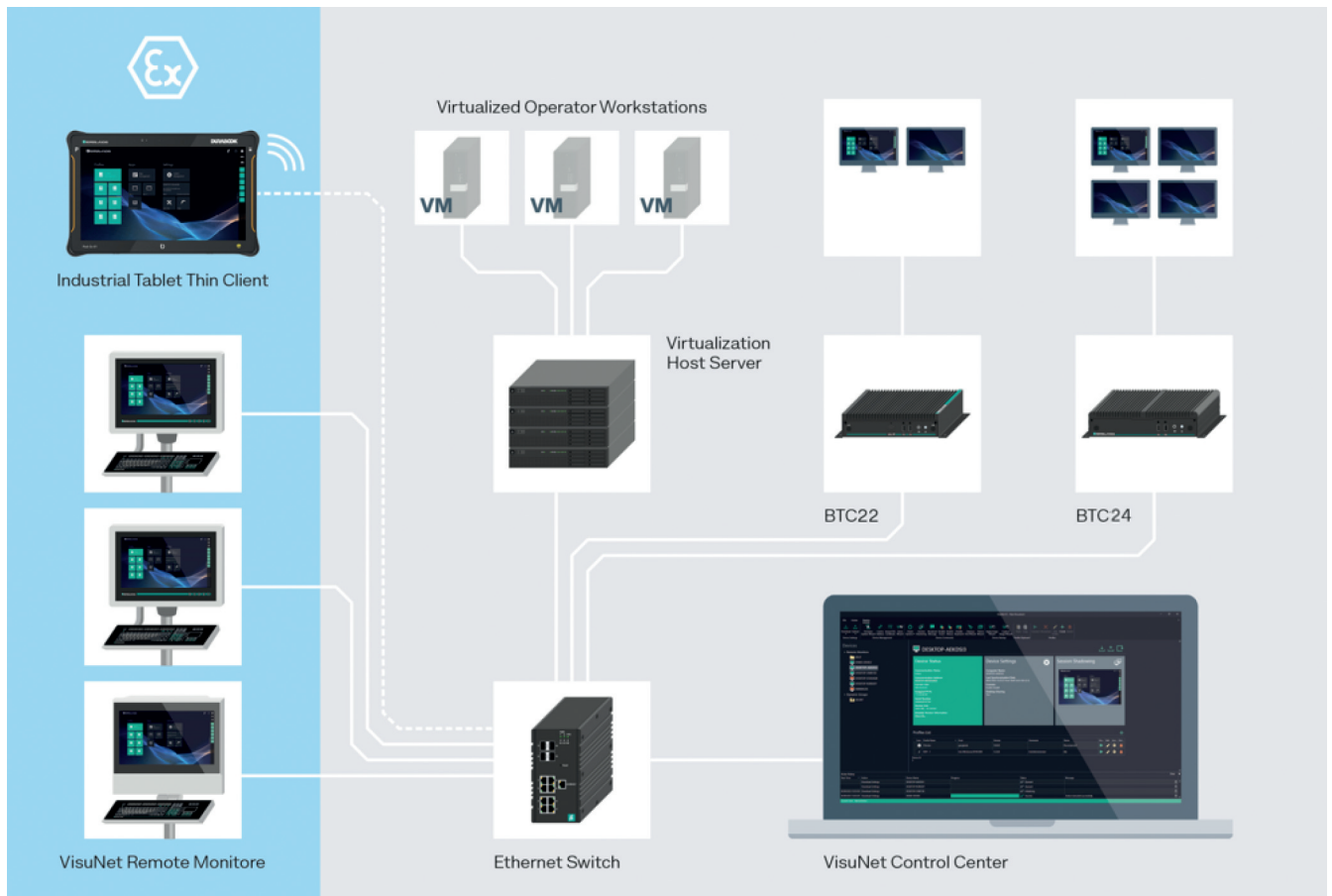
Industrial Box Thin Client



Function

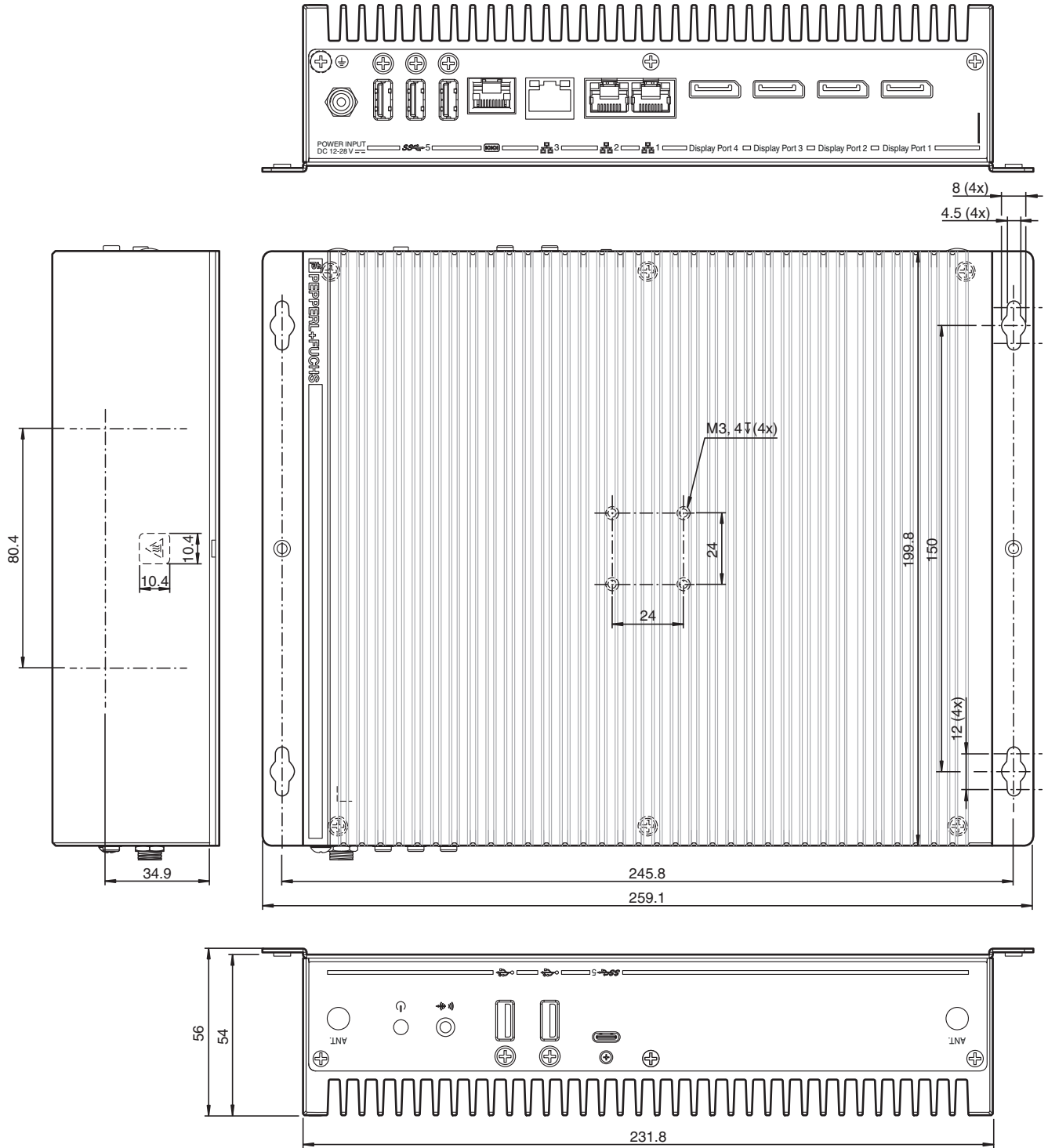
The BTC24 is a compact industrial box-thin client for use in harsh industrial environments. Its low profile and operating temperature range offer installation flexibility for automation cabinets, drawers in production, and in control rooms. An AMD processor supports modern operator workstation setups with up to four monitors.

Function Principle



Release date: 2025-05-14 Date of issue: 2025-05-14 Filename: t219096_eng.pdf

Dimensions



Technical Data

Hardware	
Processor	AMD Ryzen R2314
RAM	8 GB DDR4 (2x 4 GByte dual-channel RAM)
Mass storage	64 GByte M.2 SSD
Supply	
Power supply	Input voltage: 12 ... 28 V DC Input current: 4.6 A ... 1.9 A Input via 2.5 mm power socket
Interface	

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Technical Data

Interface type	<p>Front side: 1x USB 3.2 Gen 1 Type C 2x USB 2.0 Type A, Power button, Audio line out</p> <p>Back side: 3x 1000Base-T Ethernet, 4x DisplayPort 1.4, 1x DC (DC jack 5.5 x 2.5 mm with lock mechanism), 3x USB 3.2 Gen 1 Type A, 1x RS-232/RS-485 with RJ45 connector</p>
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2021 EN 55032:2015+A11:2020+A1: 2020 EN 55011:2016+A1:2017+A11:2020+A2:2021 (Group 1, Class B)
RoHS	
Directive 2011/65/EU (RoHS)	EN IEC 63000:2018-12
Software	
Operating system	1-: VisuNet RM Shell 6 (based on Windows® 10 IoT Enterprise LTSC 2021 x64) Optional: J-: IGEL OS 12 (based on Linux, pre-installed without licence) T-: ThinManager Ready
Ambient conditions	
Operating temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	≤ 90 % at 60 °C (non-condensing acc. to EN 60068-2-78)
Shock resistance	40 g (11 ms) when operating 80 g (11 ms) when not operating
Vibration resistance	3 g _{rms} 5 ... 500 Hz
Mechanical specifications	
Degree of protection	IP4x
Mass	2.47 kg
Dimensions	259.1 mm x 56.05 mm x 199.8 mm
Mounting	Desktop or wall mounting, VESA mount (100 x 100 mm and 75 x 75 mm) and DIN-rail mounting via optional adapter
Note	passive cooling , no moving parts Power supply not included.
International approvals	
UL approval	"UL Listed" for Canada and USA, E223772 (Ordinary Location)
Approved for	CE (EN61326-1/ EN55032/ EN55035 Class A) FCC Class A and ICES-003 Issue 7

Type Code

BTC24-*

BTC24-	(1)	(2)-	(3)	(4)	(5)	(6)-	(7)	(8)
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Model	
BTC24-	Box Thin Client

(1)	Certificate
N	CE & FCC + UL Ordinary Location

(2)-	Operating Temperature
A-	Standard Operating Temperature (0 ... +55 °C)

(3)	CPU
1	AMD Ryzen R2314

(4)	RAM
N	None
A	8 GB Standard Temperature

Type Code

(5)	Storage
N	None
A	64 GB M.2 SSD

(6)-	Operating System
1-	VisuNet RM Shell 6
J-	IGEL OS 12 (based on Linux)
T-	ThinManager Ready

(7)	Expansions
N	None

(8)	Options
N0	None

Example:

BTC24-	N	A-	1	A	A	1-	N	N0
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Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.