

# Industrial Box Thin Client

## BTC24-\*

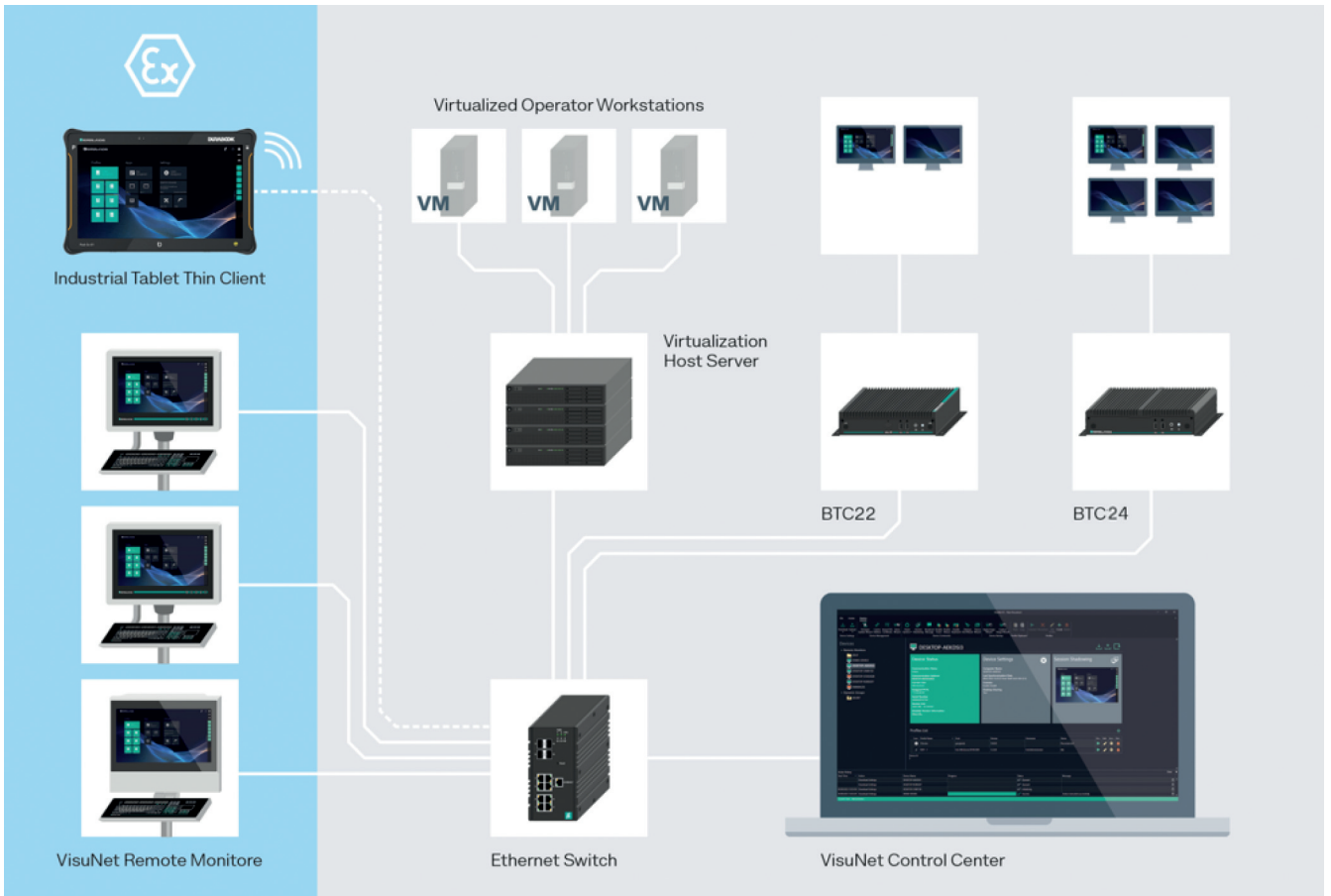


- Industrial-grade box thin client for 24/7 operation
- Long-term support with product availability for more than 5 years
- Supports up to 4 modern Ultra HD (4K) monitors with 60 Hz
- Compact footprint

Industrial Box Thin Client



### Function Principle



Release date: 2024-09-03 Date of issue: 2024-09-03 Filename: t219096\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

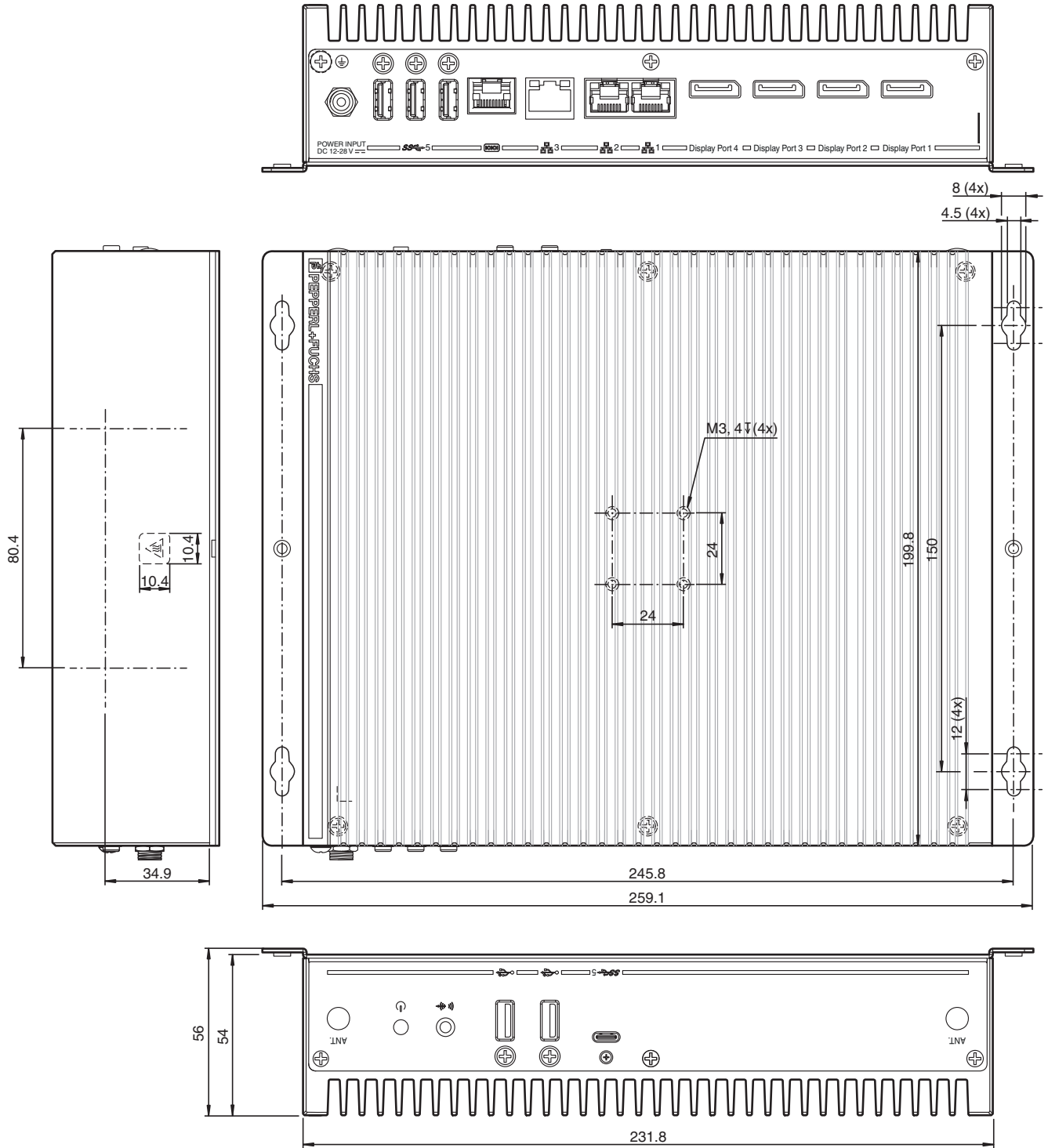
USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

**Dimensions**



**Technical Data**

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

Release date: 2024-09-03 Date of issue: 2024-09-03 Filename: t219096\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

**Technical Data**

Interface type	<b>Front side:</b> 1x USB 3.2 Gen 1 Type C 2x USB 2.0 Type A, Power button, Audio line out  <b>Back side:</b> 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	
<b>Directive conformity</b>		
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	
<b>Software</b>		
Operating system	VisuNet RM Shell 6 (based on Windows® 10 IoT Enterprise LTSC 2021) ("I-" option) <b>Optional:</b> IGEL OS 12 (based on Linux, pre-installed without licence) ("J-" option)	
<b>Ambient conditions</b>		
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 <sub>rms</sub> 5 ... 500 Hz	
<b>Mechanical specifications</b>		
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 <b>Power supply not included.</b>	
<b>International approvals</b>		
Approved for	CE (EN61326-1/ EN55032/ EN55035 Class A) FCC Class A and ICES-003 Issue 7	

**Type Code**

<b>BTC24-*</b>								
<b>BTC24-</b>	<b>(1)</b>	<b>(2)-</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)-</b>	<b>(7)</b>	<b>(8)</b>
<b>Model</b>								
BTC24-	Box Thin Client							
<b>(1) Certificate</b>								
N	CE & FCC							
<b>(2)- Operating Temperature</b>								
A-	Standard Operating Temperature (0 ... +55 °C)							
<b>(3) CPU</b>								
1	AMD Ryzen R2314							
<b>(4) RAM</b>								
N	None							
A	8 GB Standard Temperature							
<b>(5) Storage</b>								
N	None							

Release date: 2024-09-03 Date of issue: 2024-09-03 Filename: t219096\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

## Type Code

(5)	Storage
A	64 GB M.2 SSD

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

(7)	Expansions
N	None

(8)	Options
N0	None

**Example:**

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

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Release date: 2024-09-03 Date of issue: 2024-09-03 Filename: t219096\_eng.pdf