

Increased Performance.

Cutting-Edge Thin Client Solution
from the Control Room
Down to Hazardous Areas

Industrial Box Thin Client
BTC22



Your automation, our passion.

 **PEPPERL+FUCHS**

BTC22 and BTC14

Complete Thin Client Solution from the Control Room Down to Hazardous Areas

Engineered for Reliability

Pepperl+Fuchs' industrial box thin clients are designed to deliver a reliable and rugged virtualization solution for the harsh conditions in industrial environments. Engineered to withstand continuous exposure to high temperatures, shock, and vibration, the new BTC22 and the well-known BTC14 can handle the most demanding process applications.

- Durable, enclosed IP4x aluminium housing
- Temperature range of 0 °C ... +60 °C
- A range of installation possibilities and a wide variety of mounting options
- Long-term availability
- Pre-installed VisuNet RM Shell firmware

Future-Proof Technology

The compact BTC22 comes with two DisplayPort™ interfaces that support Ultra HD monitors with 4K resolution. With four DisplayPort interfaces, the latest BTC14 is designed for use in quad monitor installations. This gives you an optimal overview of your processes. Moreover, the industrial box thin clients are equipped with modern interface technology:

- Dual Gigabit Ethernet for network redundancy
- Serial interface port to support legacy peripherals
- USB-C Port for modern peripheral devices (BTC22)
- 4 × USB ports for a higher flexibility range
- Wide range 16 ... 28 V DC power input for office and industrial applications

For more information, visit:
pepperl-fuchs.com/pf-btc



Comparison

BTC22



BTC14

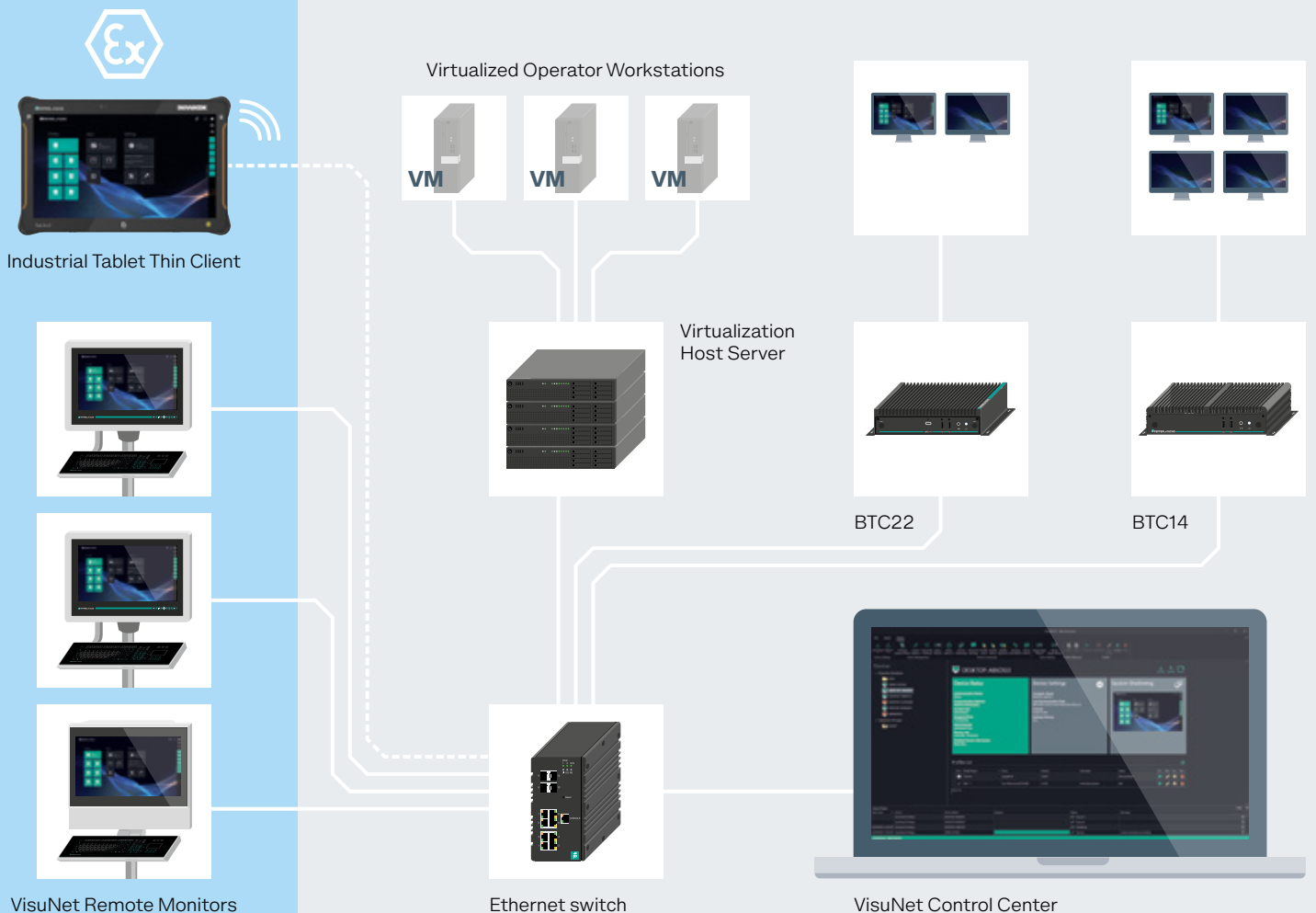


Interfaces	2 × DisplayPort 1 × USB-C 3.2 with DisplayPort alternate mode	4 × DisplayPort; up to 4 × 4K
Processor	Intel Atom x6413E	AMD Ryzen Embedded V1202B
RAM	8 GB DDR4	4 GB DDR4 (standard), 8 GB DDR4 (optional)
Operating Temperature	0 ... +55 °C (optional -20 ... +60 °C)	0 °C ... +55 °C
Housing	Aluminum chassis	
IP Rating	IP4x	
Mounting Option	Desktop-, Wall-, Din-Rail-, VESA-Mounting	
Mechanical Security	All ports strain relieved and "lockable"	
Cooling Method	Passive cooling, heat dissipating housing	
Certifications	CE and FCC for Europe and US market access	
Firmware	VisuNet RM Shell	

Easy Configuration with RM Shell

To simplify configuration and setup of box thin clients, VisuNet RM Shell firmware is pre-installed and pre-configured for various control systems.

- Configuration and setup within minutes
- Based on Microsoft® Windows 10 IoT Enterprise LTSC 2021
- Built-in security mechanisms for risk reduction
- VisuNet Control Center for efficient, centralized management
- Available for every Thin Client device from Pepperl+Fuchs



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Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Radar Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Vibration Monitoring
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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Printed in Germany • Part. No. 70123120 11/23 03 • public



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