

**Discovering flexibility.
Increasing performance.
Securing a competitive edge.**

BTC12 and BTC14—The Industrial Box Thin
Clients for 24/7 Operation



Your automation, our passion.

 **PEPPERL+FUCHS**

End-to-End Thin Client Solutions from the Control Room down to Hazardous Areas

Engineered for Reliability

Industrial box thin clients from Pepperl+Fuchs are designed to deliver reliable virtualization solutions in harsh industrial environments. Engineered to withstand continuous exposure to high temperatures, shock, and vibration, the BTC12 and the BTC14 can handle the most demanding process applications.

- Enclosed IP4x aluminum housing
- Extended operating temperature range from -20 °C to +60 °C
- All interfaces can be mechanically secured
- Optimized for 24/7 operation
- Flexible installation in control cabinets, drawers, enclosures, or control rooms
- Complements the VisuNet Remote Monitor portfolio and allows end-to-end thin client solutions from the control room up to Div. 1 / Zone 1
- Passive cooling (no moving parts)

Equipped for Full Industrial Connectivity

To give you an optimal overview of your processes, the BTC12 and BTC14 feature two or four DisplayPort interfaces that support Ultra HD monitors with 4K resolution at 60 Hz. A DP++ option allows users to connect HDMI monitors with a passive DisplayPort adapter. Both the BTC12 and BTC14 are also equipped with a variety of additional interfaces:

- Dual Gigabit Ethernet to support network redundancy
- Four USB ports for peripherals
- Serial interface port for legacy peripherals
- Wide-range DC power input for office and industrial applications



Rugged Design for Industrial Installations



No Overheating

Even in extreme temperatures, the industrial box thin clients are reliable. They feature passive cooling, and multiple cooling fins prevent them from overheating.



In Freezing Cold

The rugged box thin clients even withstand freezing environments. They can operate in temperatures ranging from -20 °C to +60 °C.



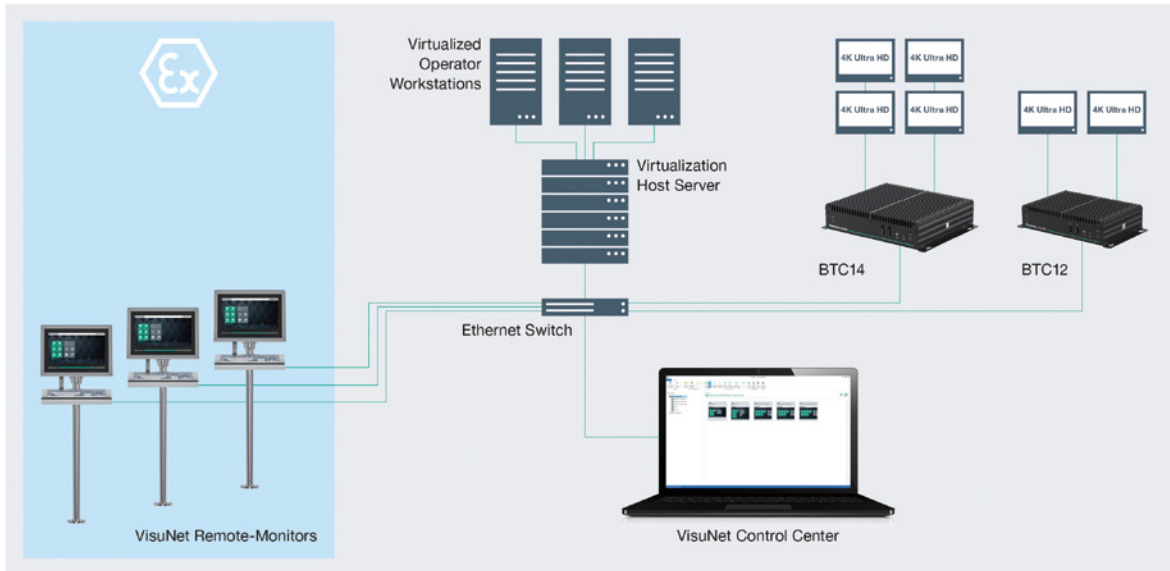
Enclosed Housing

Due to their enclosed IP4x housings, the BTCs can withstand the challenging conditions in industrial control room environments, like those found in paper mills.

Simple Configuration with VisuNet RM Shell 5

Pre-installed RM Shell 5 firmware allows easy setup and configuration of box thin clients, enabling seamless embedding in virtualization architectures.

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



Installation Flexibility

A variety of mounting options enable a range of installation possibilities. Mount the BTC12 or BTC14 on top of a desk, under a desk, or in a drawer. Mounting kits are also available for wall mounting, VESA mounting to the back of a monitor, or DIN rail mounting in control cabinets. For added flexibility, the rugged design and extended temperature range enable installation in control rooms with challenging conditions.



Your automation, our passion.

Explosion Protection

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

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

Pepperl+Fuchs Quality
Download our latest policy here:

www.pepperl-fuchs.com/quality

