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

BTC12—The Industrial Box Thin
Client 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 new BTC12 and the well-known BTC01 can handle the most demanding process applications.

- Enclosed IP4x aluminum housing
- Extended operating temperature range from -20 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)
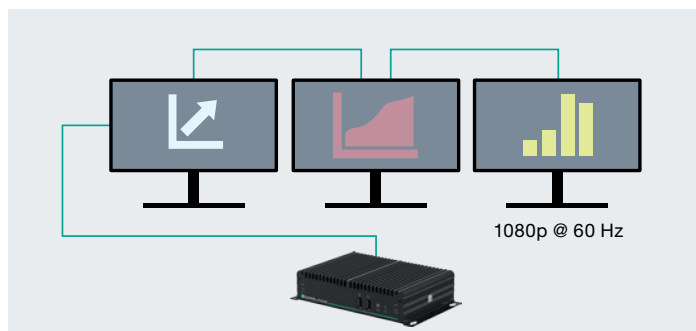
## Equipped for Full Industrial Connectivity

To give you an optimal overview of your processes, the BTC12 features two 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. The BTC12 is 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 (16 … 28 V DC) power input for office and industrial applications
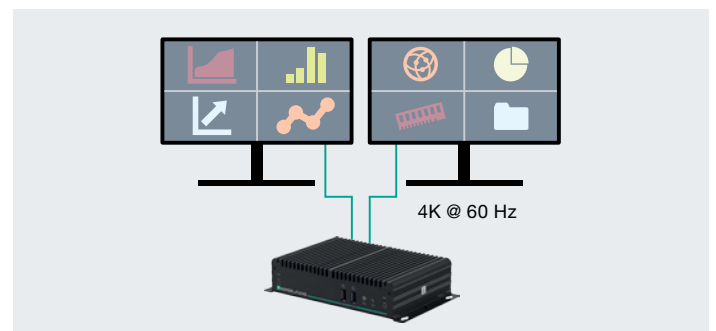
# More Visibility with Less Hardware

DisplayPort functionality allows one BTC12 to display multiple application windows simultaneously without compromising performance.

1080p @ 60 Hz

4K @ 60 Hz

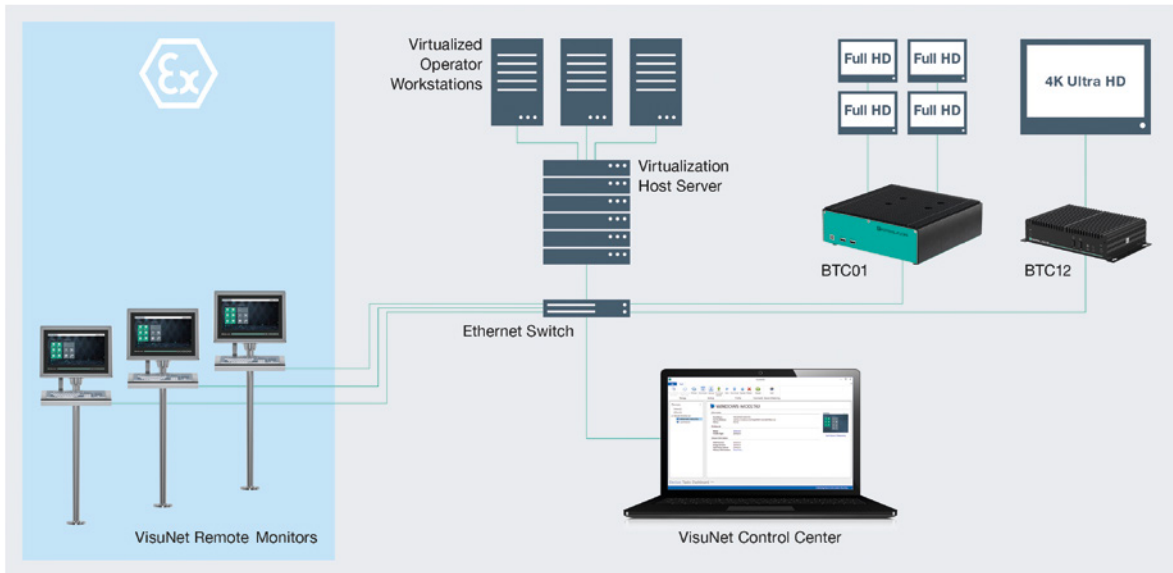Up to three Full HD monitors can be daisy chained from one DisplayPort.

One 4K monitor can be connected to each DisplayPort, allowing up to eight application windows to be displayed at once in Full HD.

# Simple Configuration with 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 LTSB
- 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 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

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