

# Industrial Box Thin Clients for 24/7 Operation

BTC14 and BTC12



Your automation, our passion.

 **PEPPERL+FUCHS**

BTC14 and BTC12

# 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 BTC14 and the well-known BTC12 can handle the most demanding process applications.

- Durable, enclosed IP4x aluminium housing
- Temperature range of 0 °C ... +55 °C
- A range of installation possibilities and a wide variety of mounting options
- Long-term availability
- Pre-installed VisuNet RM Shell 5 firmware

## Future-Proof Technology

The compact BTC12 comes with two DisplayPort™ interfaces that support Ultra HD monitors with 4K resolution at 60 Hz. 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
- 4 x USB ports for modern peripherals
- Wide range 16 ... 28 V DC power input for office and industrial applications

For more information, visit:  
[pepperl-fuchs.com/btc](https://pepperl-fuchs.com/btc)



## Comparison

### BTC14



### BTC12

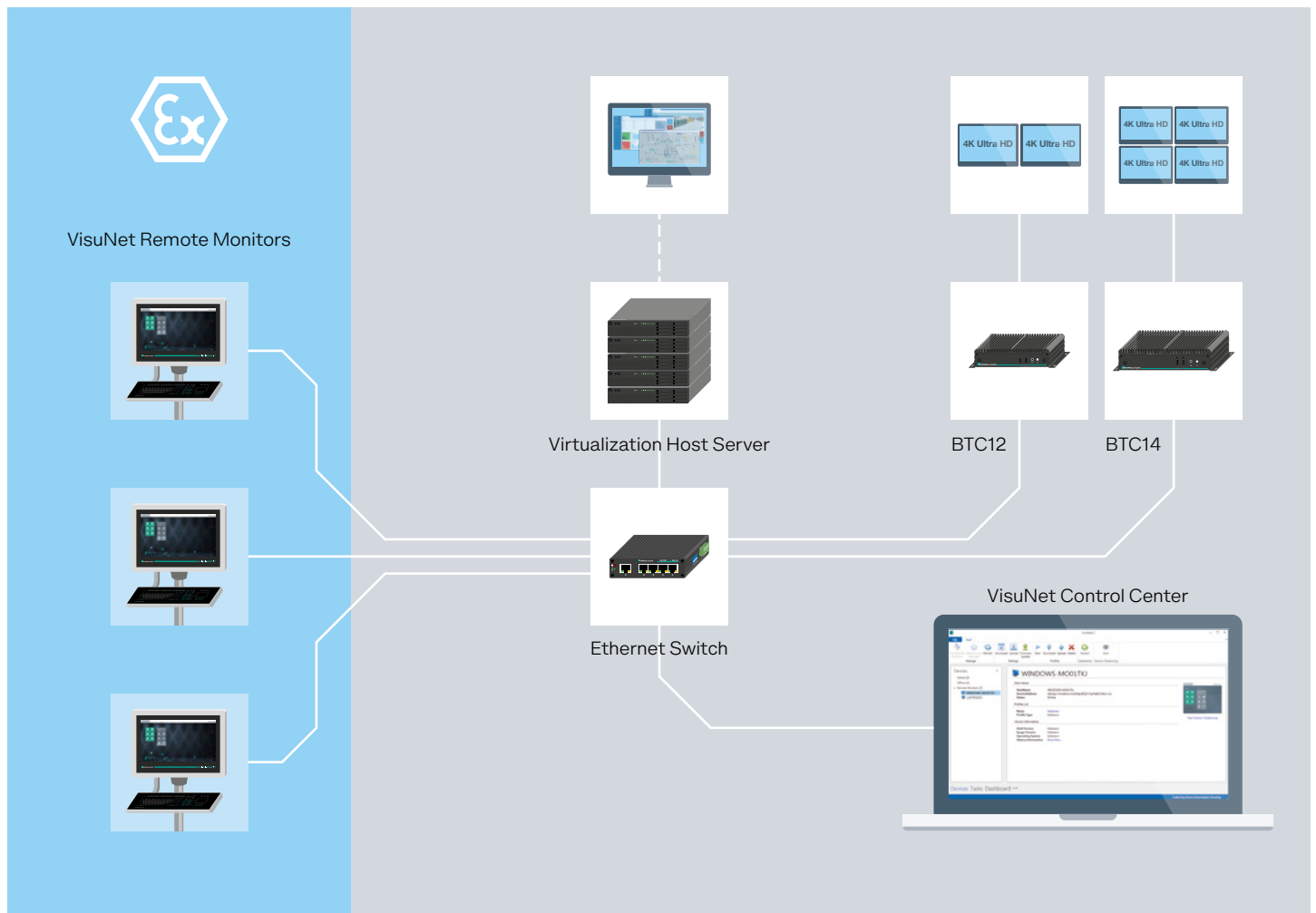


<b>Interfaces</b>	4x DisplayPort; up to 4x 4K	2x DisplayPort; up to 2x 4K
<b>Processor</b>	AMD Ryzen Embedded V1202B	Intel® Apollo Lake N4200 series
<b>RAM</b>	4 GB DDR4 (standard), 8 GB DDR4 (optional)	4 GB DDR3L (standard), 8 GB DDR3L (optional)
<b>Housing</b>	Aluminum Chassis	Aluminum Chassis
<b>IP Rating</b>	IP4x	IP4x
<b>Operating Temperature</b>	0 °C ... +55 °C	0 °C ... +55 °C
<b>Mounting Option</b>	Desktop-, Wall-, Din-Rail-, VESA-Mounting	Desktop-, Wall-, Din-Rail-, VESA-Mounting
<b>Mechanical Security</b>	All ports strain relieved and "lockable"	All ports strain relieved and "lockable"
<b>Cooling Method</b>	Passive cooling, heat dissipating housing	Passive cooling, heat dissipating housing
<b>Certifications</b>	CE and FCC for Europe and US market access	CE and FCC for Europe and US market access
<b>Firmware</b>	RM Shell 5	RM Shell 5

## Easy Configuration with RM Shell 5

To simplify configuration and setup of box thin clients, VisuNet RM Shell 5 firmware is pre-installed and pre-configured for various control systems.

- 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 device from Pepperl+Fuchs



# Your automation, our passion.

## 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
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Vibration Monitoring
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

[www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

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