Partnering for Success

Pepperl+Fuchs and Honeywell
Enhancing Performance and Transparency
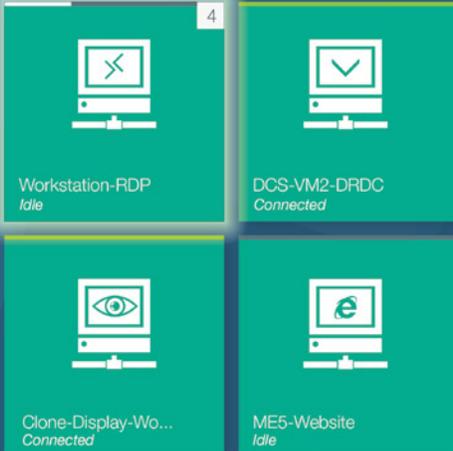
PKS**ADVANTAGE**™
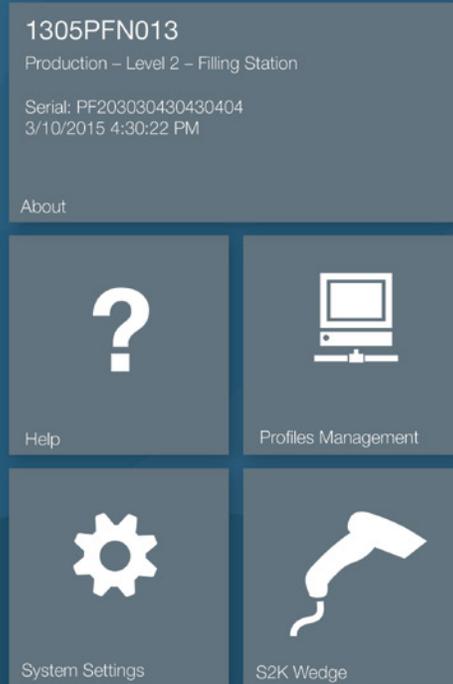
Your automation, our passion.

PEPPERL+FUCHS

Profiles

Workstation-RDP
Idle

4

DCS-VM2-DRDC
Connected

Clone-Display-Wo...
Connected

ME5-Website
Idle

Applications

1305PFN013

Production – Level 2 – Filling Station

Serial: PF203030430430404
3/10/2015 4:30:22 PM

About

? Help

Profiles Management

System Settings

S2K Wedge

Honeywell Benefits

- Secure Remote Desktop Protocol (RDP) 8 connection – tested, qualified, and preferred for the Honeywell Experion System
- Enhanced performance and transparency - Improved product longevity through high-performance thin client design and higher temperature ratings compared to office-grade equipment
- Unified user experience for all solutions - Stand-alone thin client or hardened workstations are built with the same hardware for general-purpose (GP) and hazardous locations (Ex)

An Automation Infrastructure for Tomorrow's Requirements

Our latest generation of products and software ensures that our HMIs provide all the benefits of virtualization for Experion® PKS customers. Virtualization offers fast and efficient processors, more memory, reduced life-cycle management costs, and enhanced security. VisuNet Remote Monitors offer industrial-grade HMI solutions with the most comprehensive, globally certified portfolio.

Honeywell's Experion Virtualization Solutions

Pepperl+Fuchs has partnered with Honeywell to provide a full suite of compatible thin client solutions for industrial applications. VisuNet remote monitors (RM)—Virtualized Experion workstations—provide a secure, industrial grade, thin client solution ensuring consistent operation throughout your facility.

Pepperl+Fuchs and Honeywell Process Solutions

As a long-time partner of Honeywell Process Solutions, we collaborated with Honeywell to offer a wide variety of HMI solutions for Honeywell distributed control systems (DCS).

Smart Configuration

The RM Shell 4 makes the integration of an RM into the Experion simple: all VisuNet RMs provide a transparent, straightforward, modern user interface that simplifies the initial configuration. RM Shell 4 completely replaces the Windows® desktop and only shows the important system setup settings that are relevant for the first-time configuration of an RM.

- Next-generation firmware developed within the Microsoft® Windows Embedded Standard 7 framework to support IT compliance
- Auto-connect function configures the remote monitors to automatically reestablish a connection after start-up to a host system—without further intervention from the operator
- Backup host connections can be configured in the RM Shell to automatically connect the RM to a backup host if the primary host fails or is not accessible

Increased Security and Reliable Connectivity

The VisuNet RM Shell 4 provides the highest security standards by facilitating Microsoft Enhanced Write Filter (EWF) mechanisms, a built-in firewall, restricted web browser, and USB lockdown. These mechanisms prevent data, malware, or viruses from infiltrating the system. With the RM Shell 4, the latest remote protocols (e.g., Microsoft RDP 8, etc.) are installed to allow easy and transparent connection to conventional (PC-based) workstations or a modern virtual machine hosted on a server.

Hardened Remote Experion Solutions

With industrial HMIs, quality and performance are nonnegotiable. When combined with Honeywell's Experion Process Knowledge System (PKS), Pepperl+Fuchs HMI workstations improve transparency and operator effectiveness and enable computers and servers to be located in a safe centralized location, far from environmental hazards.

VisuNet Industrial Box Thin Client

The VisuNet industrial box thin client is a thin client device that is suitable for dirty control rooms or HMI workstations. The industrial design withstands high temperatures, shocks, and vibrations. It has a small footprint and is a stand-alone thin client with the RM Shell 4 installed.

- Intel® Celeron®- 4 GB DDR3L and 32 GB mSATA
- Supports RDP 8.0, VNC, and other remote protocols
- Extended operating range: -20 °C to +60 °C
- Extra reliability with dual network interface cards (NIC) for redundancy
- Video outputs to support dual or quad monitors
- Universal AC or 12/24 VDC

VisuNet Edge Series

The VisuNet EDGE is a rugged, panel mount workstation with a remote monitor and membrane keyboard. When hazardous location protection is required, a Pepperl+Fuchs Bebco EPS® purge and pressurization system and intrinsically safe touchscreen provide the ultimate protection.

- 15", 19", and 22" display options
- All-weather watershed housing for proper drainage
- 304 stainless steel or 316L stainless steel with a #4 grade finish
- Modular design for field maintainability
- VisuNet RM Shell 4 for secure and reliable connectivity
- Solution for general purpose and Div.1/2 and Zone 1/2
- Global certifications
- Easily supports wired or wireless barcode scanners

VisuNet IND Series

The VisuNet IND operator workstations are globally certified for Class I, Div. 2/ATEX Zone 2. They are designed for continuous use and optimized for harsh industrial environments with difficult conditions such as wide temperature range, shock and vibration, or overall grimy, wet conditions common in the oil and gas or chemical industries.

- 15", 19", and 22" displays with high-bright options
- Stainless steel or painted steel housing with continuously welded and smooth seams
- Type 4/4X, IP66
- Intel® Atom™ E3826 1.46 GHz
- VisuNet RM Shell 4 for secure and reliable RDP 8.0 connectivity

VisuNet 8200 Series

The VisuNet panel mount remote monitors communicate with host PCs or servers installed in remote locations using a standard Ethernet network. There is virtually no distance limitation between the remote monitor and host PC. Dual-rated Class I, Division 2/Zone 2 panels feature a broad temperature range using industrial-grade LED backlit LCD monitors.

- 10" to 22" displays with high-bright options
- Stainless steel or painted steel bezels
- Intel® Atom™ E3826 1.46 GHz
- VisuNet RM Shell 4 for secure and reliable RDP 8.0 connectivity

Outperforming Your Toughest Conditions

Every VisuNet HMI is built upon our commitment to innovation and process safety. Combined with Experion PKS, each unit meets the rigorous demands of real-time process control: a common and consistent user experience, globally certified HMIs for Zone1/21, Zone 2/22, and Division 1 and 2, and trusted protection.

VisuNet GMP Series

The VisuNet GMP workstations are designed for use in regulated industries where traceability, quality, and validation are daily processes. GMP, or Good Manufacturing Practice regulations vary from manufacturer to manufacturer, but all are required to take active quality measures to ensure product safety.

- 19" and 22" display options
- Aseptic keyboard with varying touchscreen options
- 304 stainless steel #4 finish / 230 grit standard
- General-purpose and ATEX Zone 2/22 certification
- IP66
- Supports wired or wireless barcode scanners
- Single and multi-monitor systems
- VisuNet RM Shell 4 for secure and reliable RDP 8.0 connectivity

VisuNet Aseptic Series

The aseptic operator workstation is designed for use in manufacturing execution systems (MES), batch/process control, and building management in sterile pharmaceutical environments. Installation ease: The design of the aseptic operator workstation keeps projects on schedule, and maintenance is quick and easy.

- 19" and 22" display options
- Aseptic keyboard with pointing options
- 316 SS #4 finish / 230 grit standard
- Installs in less than 60 minutes
- Caulk-free installation–FDA-grade silicone gasket
- Spring-loaded wall clamps will not deform walls or doors
- For general-purpose and hazardous locations, Class I, II / Division 2 classified areas
- VisuNet RM Shell 4 for secure and reliable RDP 8.0 connectivity

VisuNet XT Series

The VisuNet XT is a rugged drill rig HMI that outperforms the extremely adverse conditions on open sea and land drilling rigs. It offers maximum durability and an extended operating range, -40 °C to 65 °C, making it well suited for oil exploration and extraction. The high-bright, LED-backlit LCD panel provides high performance with an optically bonded, glove-friendly touchscreen and an Intel® Core™ i7 processor.

- 15" and 19" LED high-bright LCDs
- Globally certified - ATEX Zone 2 / IEC Ex Zone 2 / Class I, Div. 2 / Class I, Zone 2
- Rugged cast aluminum enclosure
- Field maintainable
- Passive liquid cooling; completely sealed unit dissipates heat without the need of cooling fans

VisuNet EX1 Series

The VisuNet Ex1 is ATEX and IECEx certified for operation in Zone 1/21. The stainless steel enclosure surface is sanded to a smooth (RA < 1.2 μm) finish and all welds are ground smooth and polished. An optional antimicrobial extended keyboard with various pointing options is available, including a glove-friendly resistive touchscreen.

- 15" and 19" display options
- Industrial design - IP65
- Extremely versatile solution
- Interface for wired and wireless barcode readers
- VisuNet RM Shell 4 for secure and reliable RDP 8.0 connectivity

Your automation, our passion.

Explosion Protection

- Intrinsically Safe Barriers
- Signal Conditioners
- Fieldbus Infrastructure
- Remote I/O Systems
- HART Interface Solutions
- Wireless Solutions
- Level Measurement
- Purge and Pressurization Systems
- Industrial Monitors and HMI Solutions
- Electrical Explosion Protection Equipment
- Solutions for Explosion Protection

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- AS-Interface
- Identification Systems
- Logic Control Units

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