Process Solutions

Honeywell

Mobile Station

Mobile, Connected and Safe

Wireless technology expands the scope of process automation beyond the control room and enables the mobile workforce to make sound decisions faster, thanks to access to real-time data from the field. Honeywell's Mobile Station offers mobile workers secure remote access to an Experion® eServer or an Experion Station via a tablet PC.

Benefits

Improve Operations

Mobile Station provides plant staff with access to process displays, alarm summaries, historical data and other key information available on the process control network. This collaborative platform empowers the mobile workforce by allowing them to make faster decisions and helps improve daily operations as well as response time to production upsets.

Reduce Annual Operating Expenses

Mobile Station reduces the number of work stations required on the production floor or in the field as field operators can simply carry a mobile device with them. This reduces annual operating expenses (e.g., computer costs, enclosure costs, software licensing fees, and the frequently overlooked annual operating expenses associated with remote stations).

Improve Turnaround Time

Turnarounds normally have tight and aggressive schedules. When the schedule is accelerated and tasks need to get done faster, the only way to meet the new schedule is to increase staff. Mobile Station allows added staff to access key data from the field and work faster. Personnel can also more effectively focus resources on critical plant areas, and quickly adapt and change operating and commissioning priorities. This allows schedules to be compressed as required by market demands.

Mobile Station loaded on to a tablet PC (PanasonicToughbook in this example).

Improve Maintenance

Mobile Station improves maintenance team efficiency by allowing access to real-time maintenance information. Technicians can access asset performance management or enterprise resource planning (ERP) systems to capture maintenance readings, view historical health diagnostics information, retrieve work orders or request a new work order directly from the field.
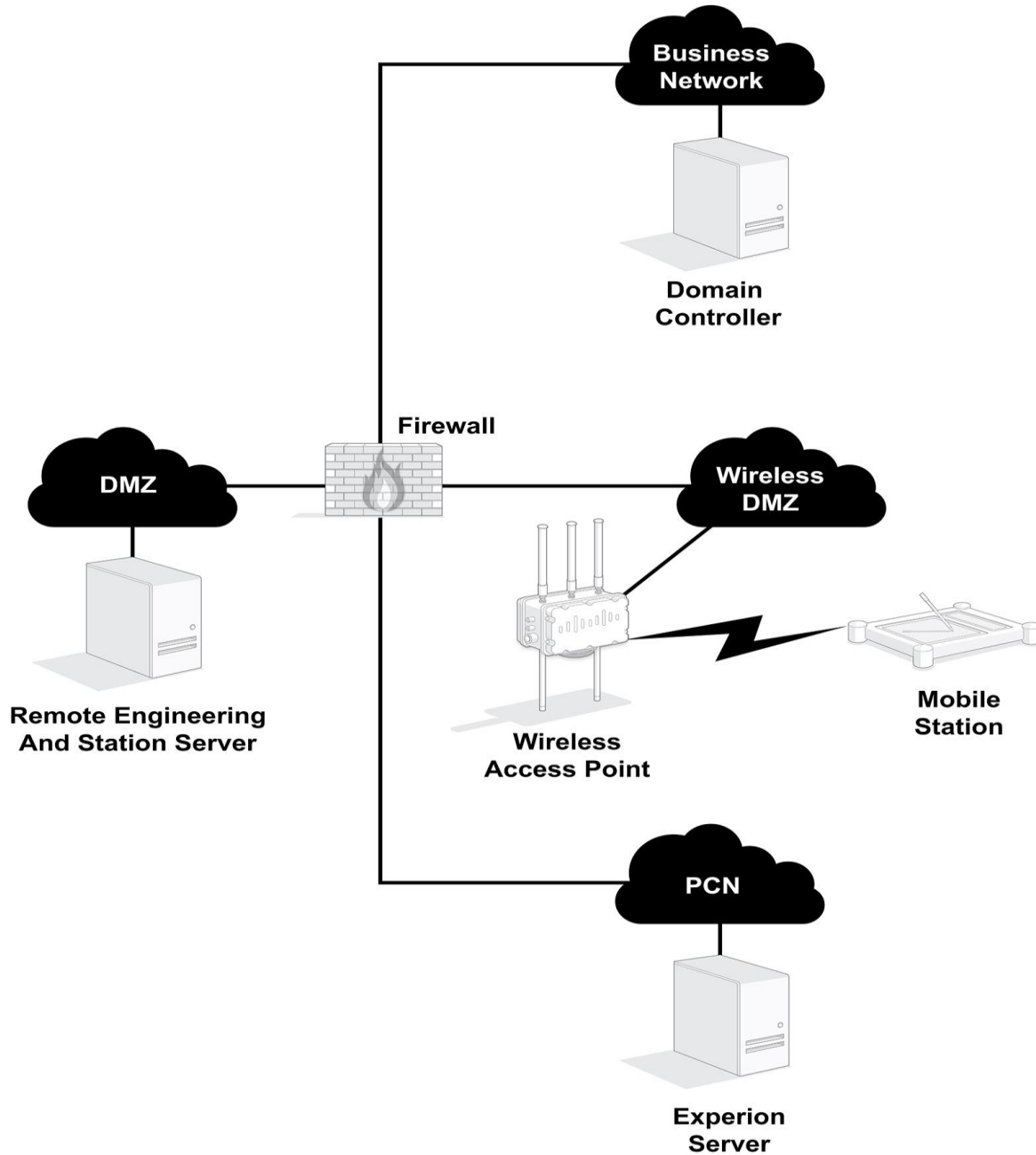
Features & Specifications

Mobile Station is composed of a suite of software applications and commercial-off-the-shelf (COTS) handheld computers and laptops/tablets.

Software

Mobile Station connects to Experion in three ways, two of which provide access through an eServer.
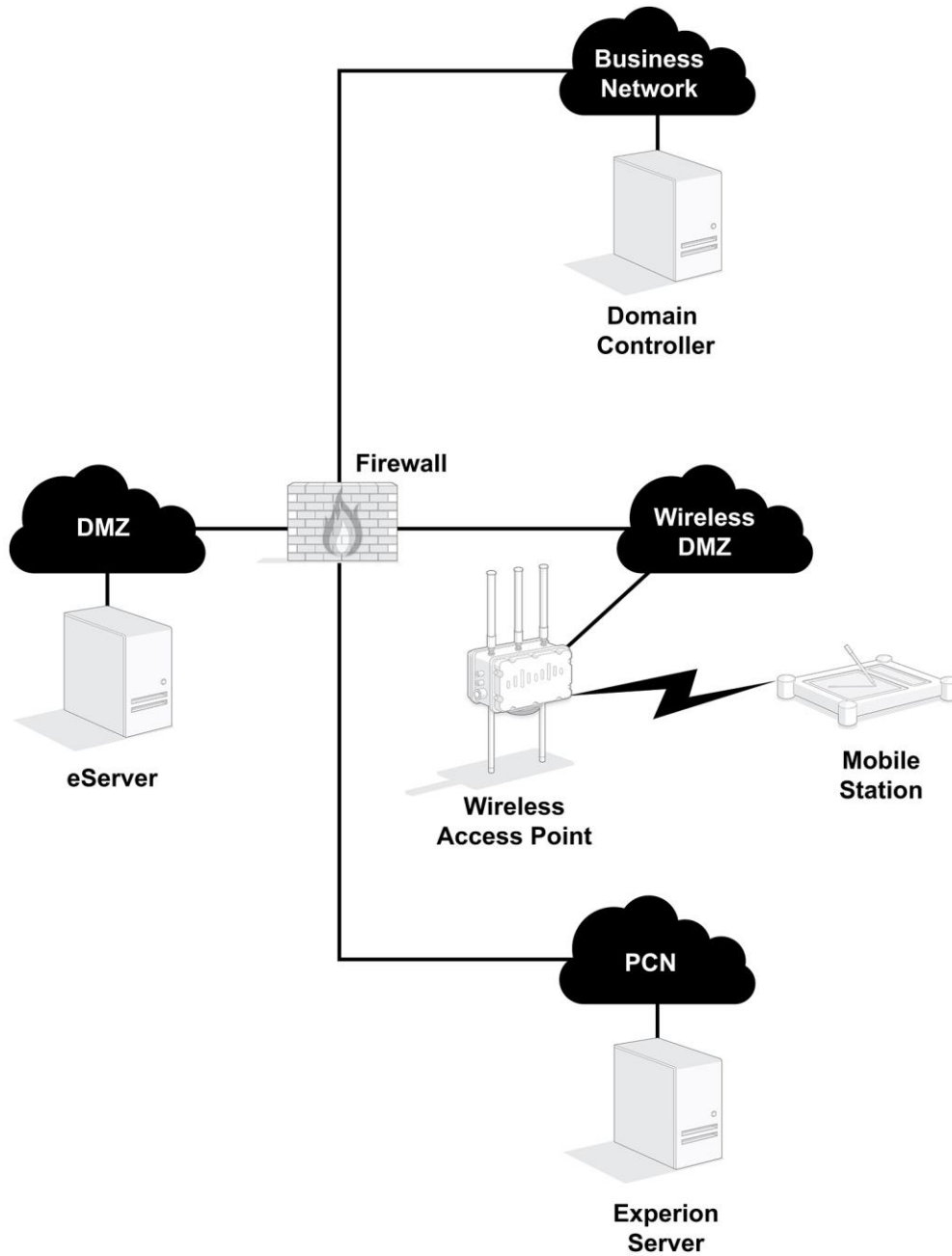
Mobile Station with Experion Station provides read-only and write access to Experion graphics with dynamic data. This is accomplished via a terminal client connection from the mobile computer to the remote engineering and station server (RESS).

The RESS hosts the Experion Flex Station and Microsoft's Terminal Services.
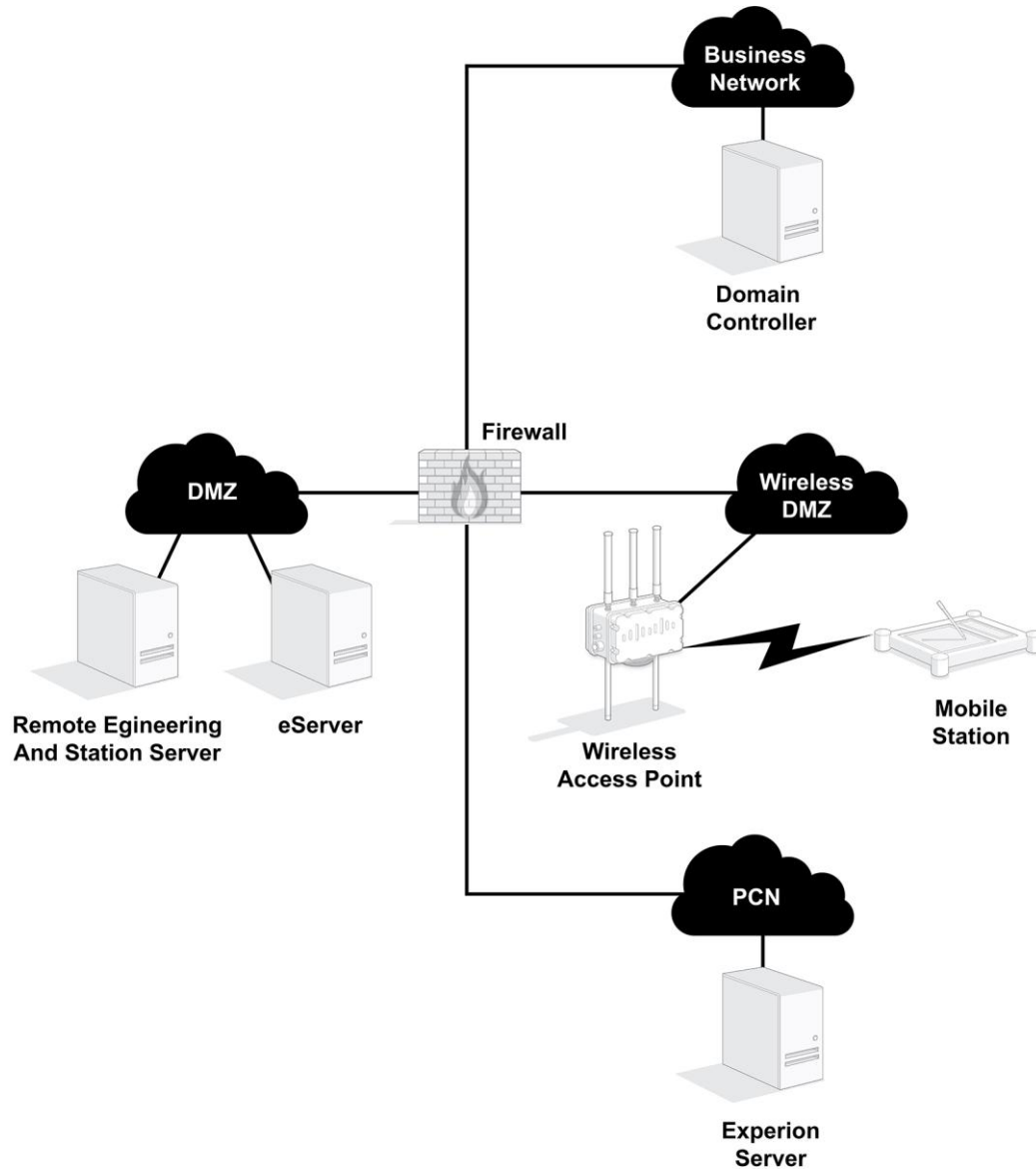
Mobile Station with eServer Standard provides "snapshots" of displays in which data is valid at the time of the snapshot.

The displays are viewed from the mobile computing device web browser connected to an eServer.

Mobile Station with eServer Premium provides "live" displays from Experion. This is accomplished via a terminal client connection to the RESS loaded with the eServer Premium client and Microsoft Terminal Services. An eServer is also required.

Microsoft Windows Terminal Services

Microsoft technology that enables users to access Experion Station or eServer is installed on the RESS. When a user accesses the Experion Station or eServer client, the program execution occurs on the server. Several users can connect simultaneously to the RESS and access their individual station as long as they have the appropriate Experion station or eServer license.

TotalPlant Solution (TPS) users can retrieves data via an integrated Experion Server.

Hardware

Mobile Computer Hardware Specification

Mobile Access Suite runs on any mobile computer with a Microsoft operating system (see Table 1). The mobile device communicates with Honeywell's Experion system via Honeywell's OneWireless™ Network.

Mobile Computer Requirements	
System Configuration	Minimum
Processor	Single CPU: 2.66 GHz Dual
RAM	512 MB
Networking	56K or higher
Video Resolution	1024 x 768 or 1280 x 1024 65K
Video Memory	32 MB
Operating System	Windows XP or Vista or 7 (dependant of Experion Release)
Hard Drive	20 GB

Mobile Specifications

eServer Hardware Specification

For users selecting Mobile Access with eServer Standard, a PC is required to be hosted on the wireless DMZ. Please refer to the Experion eServer Specification for the eServer Standard hardware requirements.

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Remote Engineering Station Server Hardware Specification

The RESS will host the Experion Flex Station software application for users opting for the Mobile Access for Station or eServer Premium add-on, and for users of Mobile Access for eServer Premium. Please refer to the Experion Station Specification and/or eServer Specification for the RESS hardware requirements.

For More Information
To learn more about how Honeywell's Mobile Stations, visit our website www.honeywellprocess.com or contact your Honeywell account manager.

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