Application Scenario
How Process Visualization Works in the Factory

Pain Points of Global Manufacturers

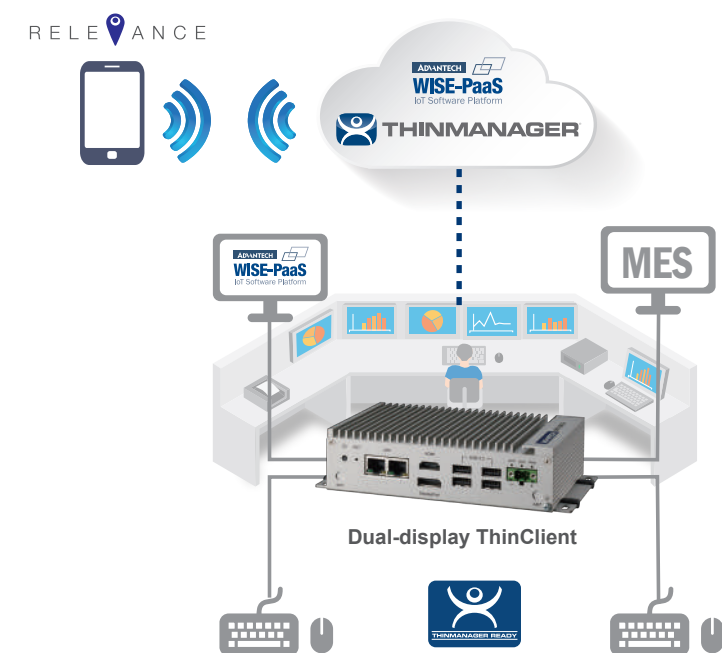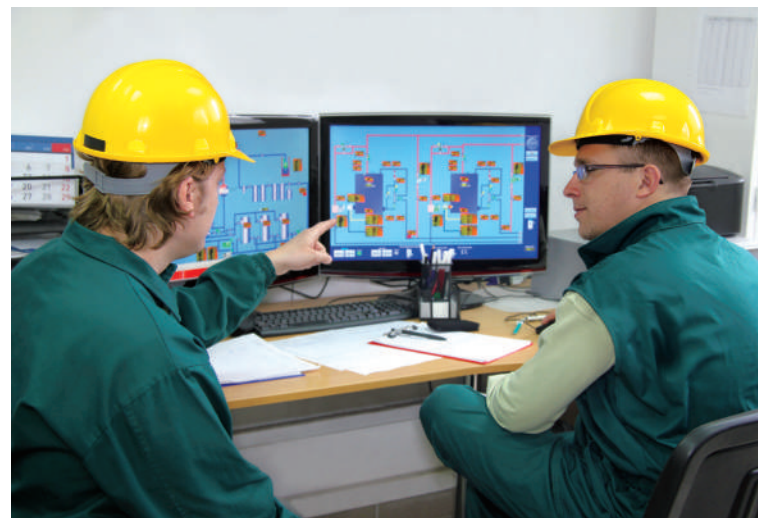**Management of Hundreds of PCs**

A modern factory typically consists of hundreds of PCs deployed on various applications. However, this can require intensive effort on system maintenance and authority control for so many individual computer systems, so IT managers want a centralized management system to monitor and control all clients.

Limited Performance of Terminal PCs

When applications become more and more complicated, for instance to process massive calculations, or connecting to multiple monitors, it requires higher performance from terminal PCs, but that limits their usage in harsh environments.

Hours to Recover Failed Computers

Computers play an important role in factories due to their power and flexibility. However, production lines go down from time to time and it can take several hours to restore PCs and previous configurations can be lost.

RELEVANCE

Dual-display ThinClient

See what will happen...

Boost Productivity with Less Downtime
Save time managing computers and simplify recovery within 2 minutes.

Deliver the Right Content to the Right Person in the Right place
See every client and user operating in the plant and simply set up their administration via a configuration wizard.

Ordering Configuration Table

SRP-FPV240 Centralizing Productivity & Downtime Management

Package Offering

Application Software：	System Computing：
ACP-enabled BIOS for ThinClient x1	UNO-2362G-T2AE x1
Preinstalled ACP-enabled BIOS	*AMD® Dual Core T40E Small-Size ThinClient, HDMI*1, DP*1*

Optional Configuration

Option 100 WISE-PaaS/SaaS Software		Option 400 Add-on Accessories	
[101] WebAccess/Cloud License (Preliminary)	☐ Qty: _____	[401] Power Adaptor (PWR-247-CE)	☐ Qty: _____

Option 200 System Computing		Remark	
[201] Five-monitor ThinClient (Preliminary)	☐ Qty: _____		
[202] 43" FHD Display (Preliminary)	☐ Qty: _____		

Order in 3 Easy Steps

Go Online Store	*Add to Cart*	*Confirm Order*
1.	**2.**	**3.**
Step 1: Login	Step 2: Configuration	Step 3: Check & Submit

ADVANTECH
Enabling an Intelligent Planet

SRP-FPV240
Online Catalog

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iFactory

Solution
Ready
Platform

Process Visualization Solution
Enhancing Productivity & Reducing Downtime by Central Management
SRP-FPV240

WebAccess/Cloud
THINMANAGER

✓ All Client Device Management
✓ Remote Control & Maintenance
✓ Plug & Play Diskless ThinClient

WebAccess   MES

ADVANTECH
Enabling an Intelligent Planet
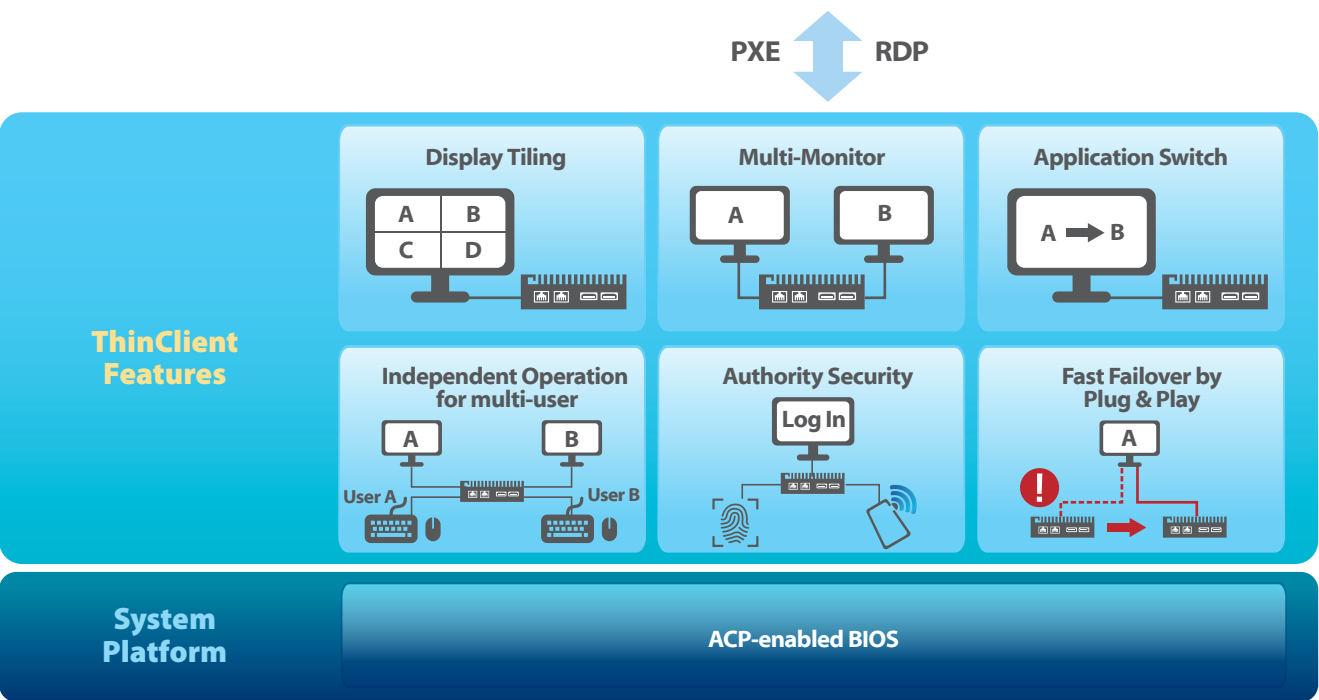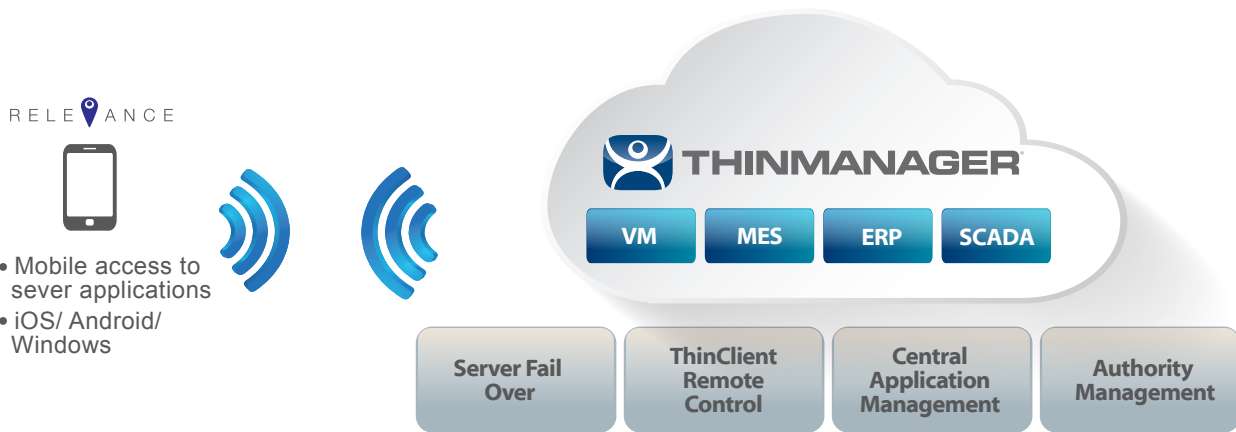
WISE-PaaS
IoT Software Platform

More on SRP-FPV240 website
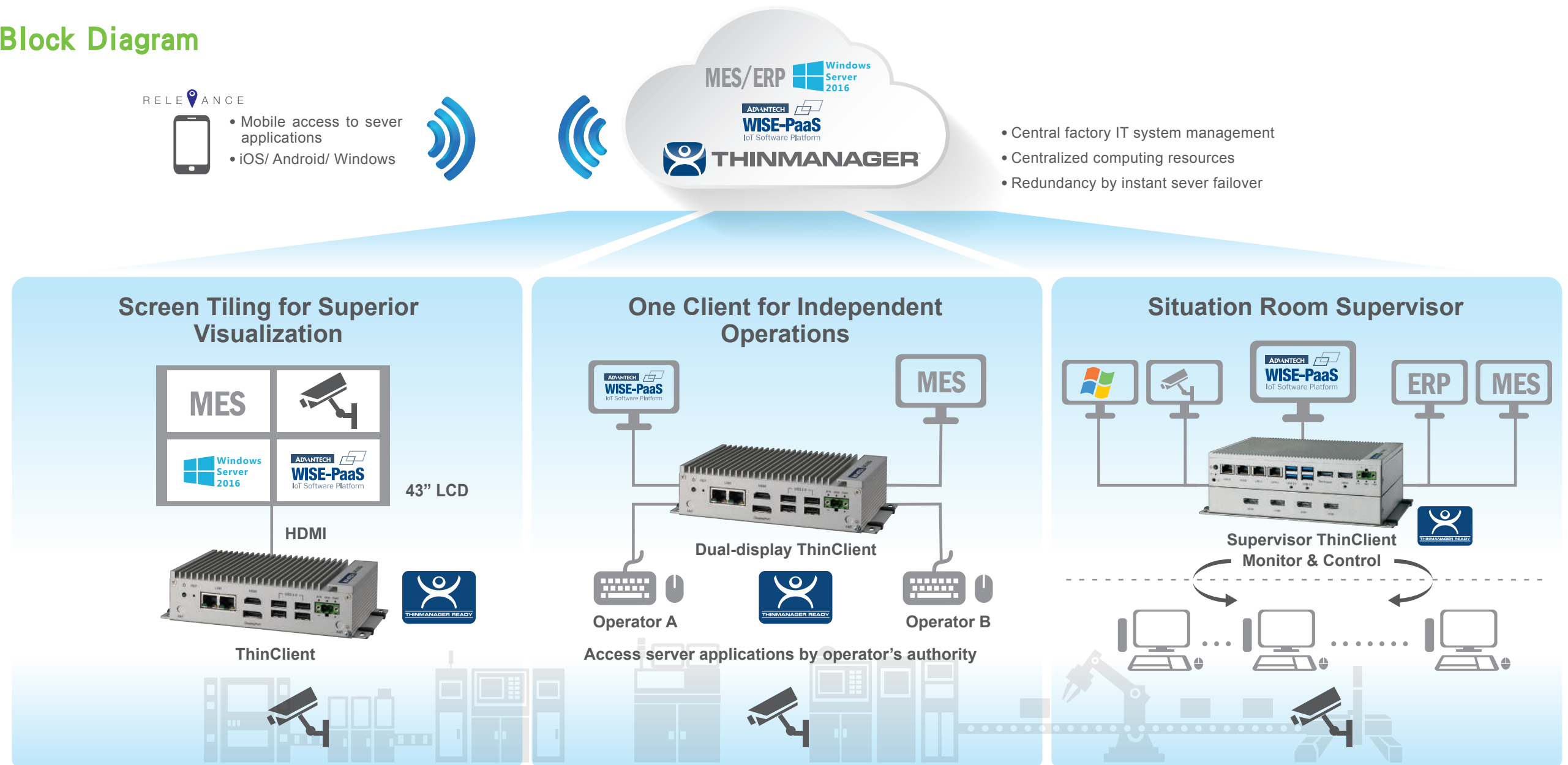
Entering a New Era of Smart Manufacturing

Introducing SRP-FPV240 Solution for Centralizing Productivity and Downtime Management

This Solution Ready Platform allows users to easily manage all server applications and thin clients from the plant floor to the control room on a single user interface. Users can decide which client/user to access and what content to be displayed. SRP-FPV240 thin client also presents superior visualization via multi-monitor, multi-session and flexible screen tiling functions, especially suitable for multi-tasking. SRP-FPV240 diskless industrial thin client features high reliability in any automated environment to greatly reduce extra costs from unexpected downtime. SRP-FPV240 supports fast failover by plugging it in a backup unit.

Software Architecture and Key Design Features

RELE♀ANCE
- Mobile access to sever applications
- iOS/ Android/ Windows

THINMANAGER
| VM | MES | ERP | SCADA |

| Server Fail Over | ThinClient Remote Control | Central Application Management | Authority Management |

PXE ⇕ RDP

ThinClient Features

| Display Tiling | Multi-Monitor | Application Switch |
| A B / C D | A B | A ➡ B |

| Independent Operation for multi-user | Authority Security | Fast Failover by Plug & Play |
| A B / User A User B | Log In | A |

System Platform — ACP-enabled BIOS

System Block Diagram

RELE♀ANCE
- Mobile access to sever applications
- iOS/ Android/ Windows

MES/ERP — Windows Server 2016 — ADVANTECH WISE-PaaS IoT Software Platform — **THINMANAGER**

- Central factory IT system management
- Centralized computing resources
- Redundancy by instant sever failover

Screen Tiling for Superior Visualization

MES
Windows Server 2016 — ADVANTECH WISE-PaaS IoT Software Platform

43" LCD
HDMI
ThinClient

One Client for Independent Operations

ADVANTECH WISE-PaaS IoT Software Platform

MES

Dual-display ThinClient

Operator A   Operator B

Access server applications by operator's authority

Situation Room Supervisor

ADVANTECH WISE-PaaS IoT Software Platform   ERP   MES

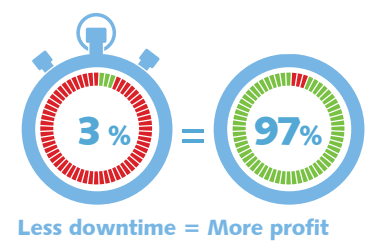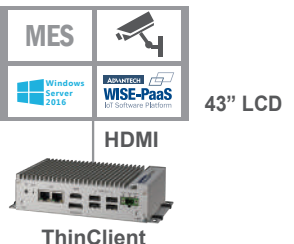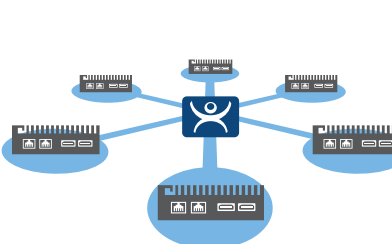Supervisor ThinClient Monitor & Control

Key Advantages/ Features

Centralized Applications & Client Management

Manage all server applications and the ThinClients from the plant floor to control room on a single user interface. Users can decide which client/ user to access and what content to be displayed.

Supports Superior Visualization for Multi-tasking

ThinClients present superior visualization by virtual screening such as multi-monitor, multi-session and flexible screen tiling functions; especially useful for multi-tasking scenarios.

MES
Windows Server 2016 — ADVANTECH WISE-PaaS
43" LCD
HDMI
ThinClient

Easy Maintenance of ThinClient with Less Downtime

Diskless industrial ThinClients feature high reliability in any automated environment, which greatly reduces the extra cost from unexpected downtimes.

3 % = 97 %

Less downtime = More profit

Solution-Ready-Platform Package

ACP ThinManager Ready Client

Preinstalled ACP-enabled ThinClient BIOS

UNO-2362G-T2AE

AMD® Dual Core T40E Small-Size Automation Computer, 2GB RAM, HDMI/ DisplayPort