

Advantech Industry 4.0 Architecture

WebAccess-enabled
iFactory 4.0



Electronics



Metal Processing



Textile & Shoes



Food & Beverage



Semiconductor



Solution Ready Platform (SRP)



Machine Automation



Machine Monitoring & Predictive Maintenance



Equipment Monitoring & Optimization



MES Integration and Production Traceability



Factory Environment Monitoring



Factory Energy Management System



Equipment Connectivity



Production Order CNF



Situation Room



Intelligent Assembly



iLab Integration

IoT Cloud Platform



Computing



Data Storage



Microsoft Azure



WISE-PaaS



3rd Party Cloud



Data Analysis



Rule Center

WebAccess/SCADA
Smart HMI/SCADA

WebAccess/HMI
HMI Software

WebAccess/NMS
Network Management

WebAccess/IVS
Intelligent Video

WebAccess/IMM
Interactive Multimedia

WISE-PaaS/RMM
Remote Monitoring and Management

WISE-PaaS/Security
Security Management

Edge Intelligence Servers (EIS)



Control IPCs



Control Cabinet PCs



Automation Computer



Embedded Automation PCs



Multi-protocol DA&C System



Web-based Thin-client Terminals



Intelligent HMI

IoT Sensing Devices



IoT Sensor Node & RF Modules



Wireless Ceiling Sensor



Wireless Sensor Tag



Wireless Sensor Node



Wireless I/O Module



WSN I/O



Wireless Sensor