

Programmable Operator Interface

MONITOUCH

Edge-computing accelerates the transition to smart production sites

X1 STANDARD MODEL Series



12.1" wide screen | Resolution: WXGA 1280 x 800
Dimensions (W x H x D): 320 x 241 x 66.7mm



15.6" wide screen | Resolution: FHD 1920 x 1080
Dimensions (W x H x D): 406 x 271 x 67.2mm

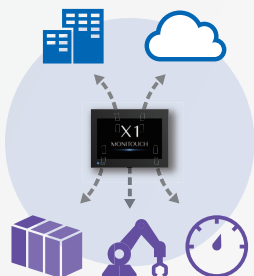
PCAP (Capacitance)	16.7M colors	Ethernet 2ch	Wireless LAN*	Bluetooth*	USB-A 3.0 x 2 2.0 x 2	HDMI x 1	Serial 1ch	IP66	Sound Output
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* Depending on the model.

IT system integration creates a flexible and smart factory

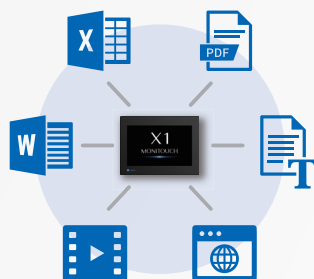
Smart factory realization factors

Seamless connection between plants and IT systems

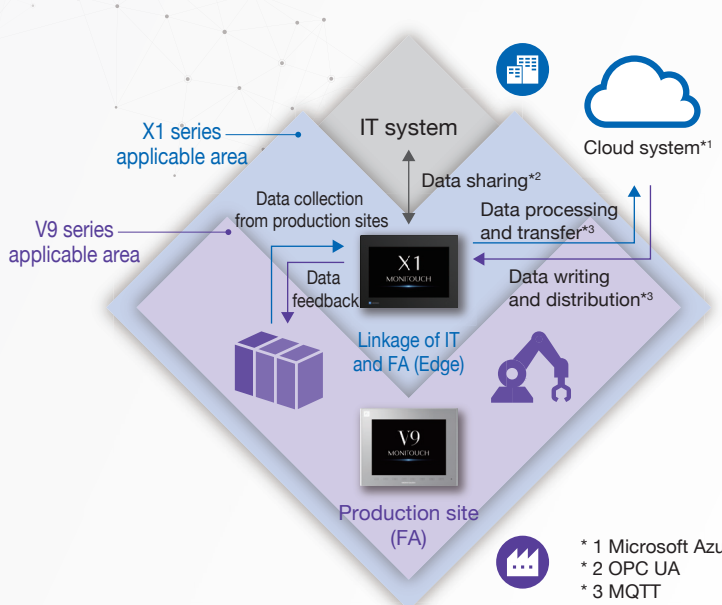


- Various communication functions
- Linkage with cloud servers

Utilization of user applications



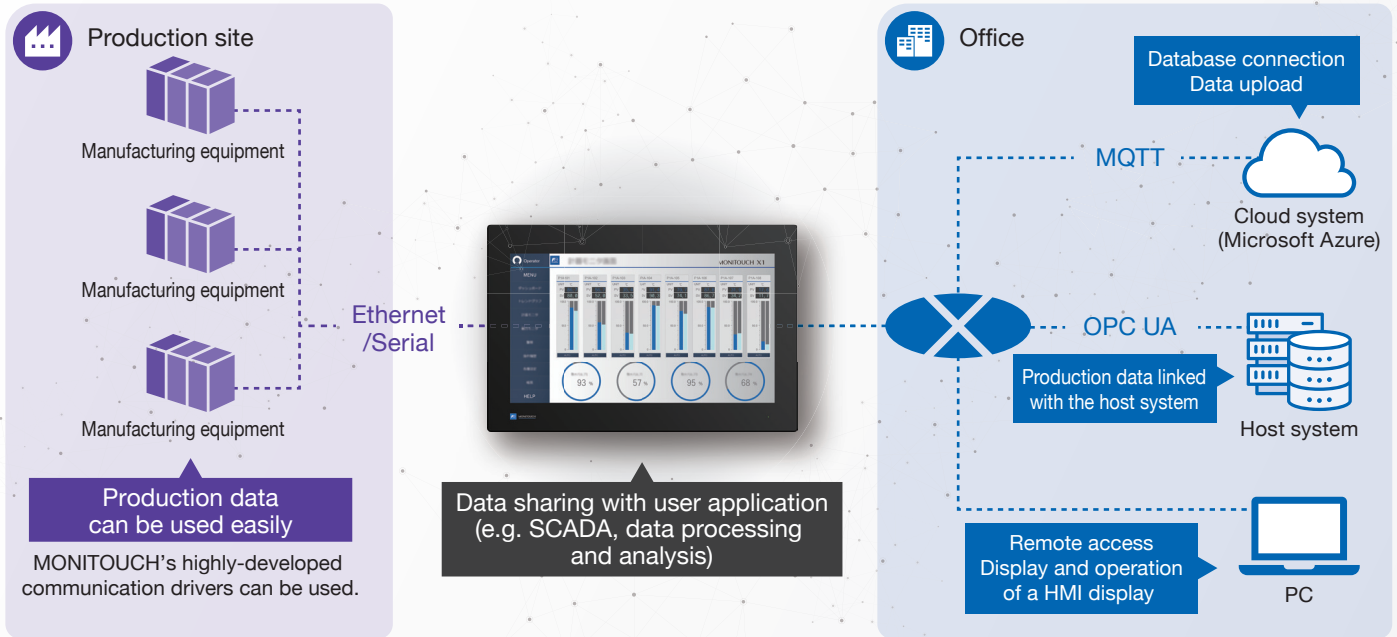
- Windows installed
- User applications are fully utilized at production sites



* 1 Microsoft Azure
* 2 OPC UA
* 3 MQTT

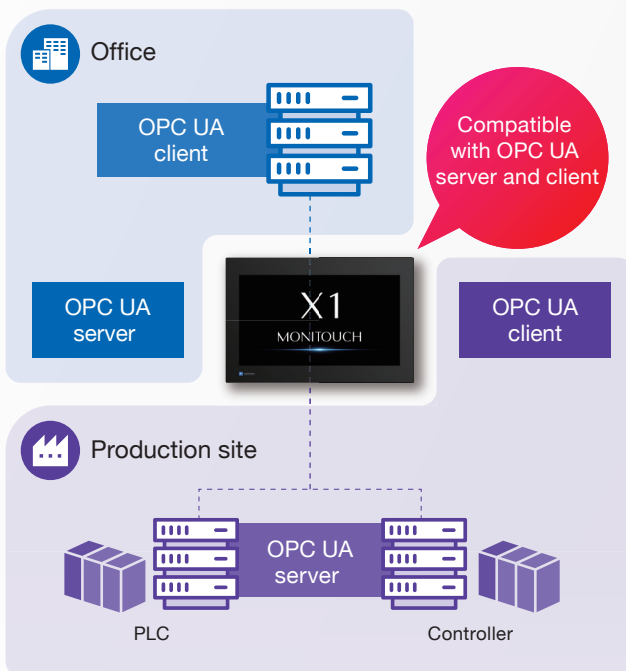
Operation scheme

In addition to the communication and display functions of the MONITOUCH HMI, data processing and analysis are available through connecting with user applications and the host system.



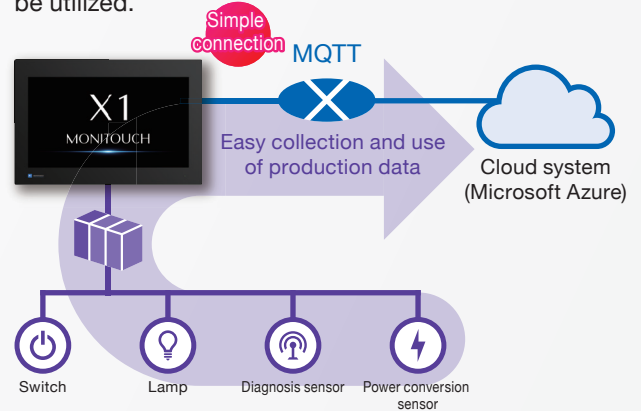
OPC UA function

X1 series system is equipped with an OPC UA server and client, so data can be collected by connecting to both offices and production sites.



Cloud (MQTT) connection

Since X1 series can be linked with Microsoft Azure, various tools and frameworks of the cloud service can be utilized.



Linkage with Microsoft services via Azure IoT Hub

Visualization, analysis, AI/ machine learning



- Visualization
- Progress management
- Diagnosis/ Analysis
- Prediction/ Status detection
- Cause analysis
- KPI management

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