

## Industrial PC Platform NY Series

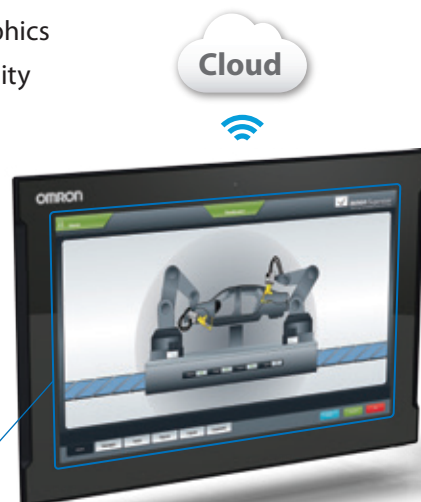
# Beyond IPC by Intel® Xeon® Processor

The new NY Industrial PC Platform is powered by the Intel® Xeon® processor. Its superior processing capabilities drive IoT (Internet of Things) adoption to analyze and leverage large amounts of production data. This industrial PC will be a platform for AI and other solutions that require more advanced processing capabilities.



### Features

- Powerful processing and graphics performance and high reliability
- Large-capacity memory and storage for production data collection, storage, analysis, error processing, and reporting



### Memory

**Up to 32 GB**  
ECC supported

### RAID

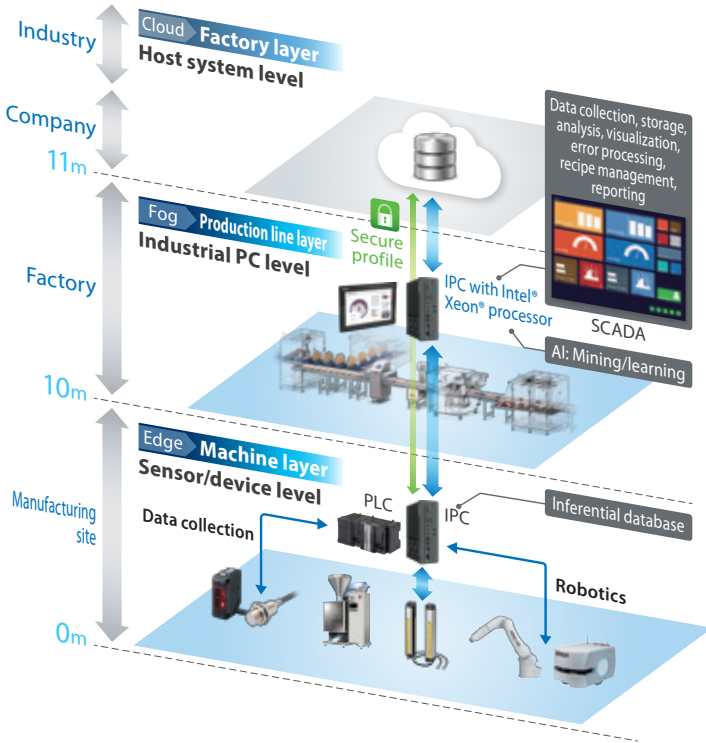
**HDD/SSD x2**  
RAID0/1

### Expansion

#### PCIe card

- I/O
- Network

# The industrial PC visualizes production information in the Fog and Edge of a factory and integrates data throughout the factory. It can also be a bridge to utilize solutions in the Cloud



## “IoT platform at an altitude of 11 m” proposed by Omron

We use an altitude metaphor to describe the structure that supports production sites: Enterprise systems and host systems look down at factories from an altitude of 100 m. Industrial PCs (IPCs) collect and handle production data in the Edge and Fog at an altitude of between 10 and 11 m. Sensors and devices are located at an altitude of between 0 and 1 m. The superior processing performance and flexible functionality of the IPC accelerate the adoption of IoT within factories.

## Data utilization

Industrial PC (IPC) with Intel® Xeon® processor: Collects increasing amounts of production data as a platform for AI and IoT solutions and connects production sites to the Cloud

## High-speed, high-precision control

IPC: Perfect fusion of control and information  
 PLC: High-speed, high-precision machine control

## Features

- Approximately double the performance of our previous model\*1
- Intel® embedded high-performance graphics for deep learning
- Up to 32 GB of ECC memory (DDR4 SDRAM)
- HDD/SSD RAID0/1 supported (Intel® RST)
- Utilizes commercially available SCADA software\*2
- Up to three PCI Express boards (using an expansion box)\*3

\*1. Compared to the NY Industrial PC Platform with the Intel® Core™ i7 processor.  
 \*2. Operations were carried out using the SCADA/HMI/reporting software zenon by COPA-DATA.  
 \*3. An expansion box can be used to add up to two PCI Express boards.

## Specifications

Item	Specifications
Product name	Industrial PC Platform NY Series
Model	NYB1E-□□□□□
OS	Windows® 10 IoT Enterprise 2016 LTSB (64 bit)
CPU	Intel® Xeon® Processor E3-1515M v5 (2.8 GHz/3.7 GHz, 4 cores/8 threads)
Main memory	SO-DIMM 32 GB max. (ECC supported), DDR4 SDRAM
Storage	RAID0/1 configuration using Intel® RST (except Hot Swap) can be set up through kitting service
Built-in port	Ethernet x 3, USB 2.0 x 2, USB 3.0 x 2, DVI-I x 1, RS-232C x 1
Expansion slot	Standard PCIe slot x 1 (4 lanes)
Standards	RoHS, UL, CE, KC, RCM, CCC

Note: The memory capacity, storage type, and storage size can be customized.

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