

## 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



SCADA



### Memory

**Up to 32 GB**  
ECC supported

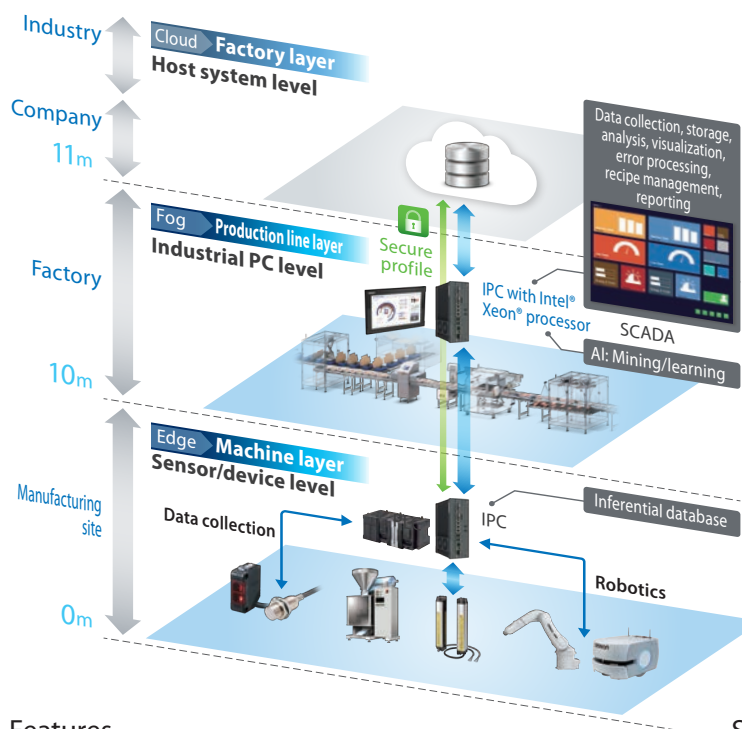
### RAID

**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\*<sup>1</sup>
- 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\*<sup>2</sup>
- Up to three PCI Express boards (using an expansion box)\*<sup>3</sup>

\*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.

Intel, Intel Xeon, and Intel Core are the trademarks or registered trademarks of Intel Corporation in the U.S. and/or other countries.

Windows is a registered trademark of Microsoft Corporation in the USA and other countries.

Company names and product names in this document are the trademarks or registered trademarks of their respective companies.

zenon is a registered trademark of Ing. Punzenberger COPA-DATA GmbH.

**OMRON AUTOMATION AMERICAS HEADQUARTERS** • Chicago, IL USA • 847.843.7900 • 800.556.6766 • [www.omron247.com](http://www.omron247.com)

### OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • [www.omron247.com](http://www.omron247.com)

### OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • [mela@omron.com](mailto:mela@omron.com)

### OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • [mela@omron.com](mailto:mela@omron.com)

### OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • [www.omron.com.br](http://www.omron.com.br)

### OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

### OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300