

Industrial PC Platform NY Series

NY Monitor Link: Put your screen where it's needed

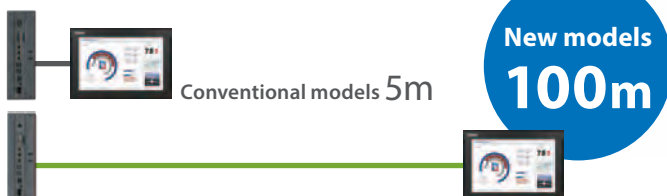
Using Omron's NY Monitor Link connector*, you can place our industrial monitor where it most benefits the operator – even if that's 100m from the industrial PC. Connect using standard Ethernet cable and our unique auto-tuning technology will ensure fast responsiveness – just as if the monitor was next to the PC.



Features

- Place industrial PC and monitor up to 100m apart
- Connect with inexpensive Ethernet cable
- Omron's unique auto-tune for fast response
- Embedded - no OS, software or drivers

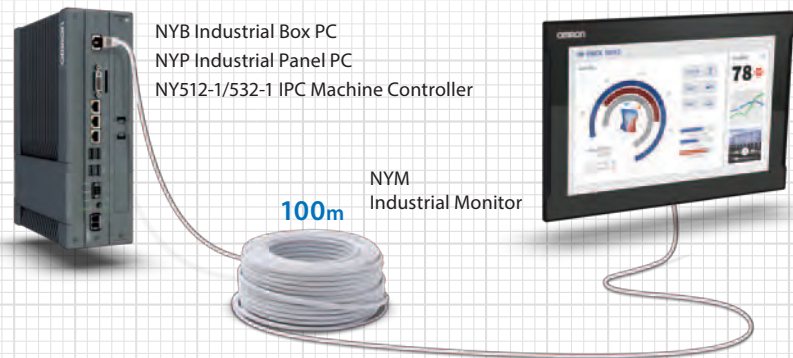
■ Distance between industrial PC and industrial monitor



* NY Monitor Link connects Omron's NYM Industrial Monitor and Omron's Industrial PC (NYB Industrial Box PC, NYP Industrial Panel PC, or NY5□□-1 IPC Machine Controller) via NY Monitor Link connectors.

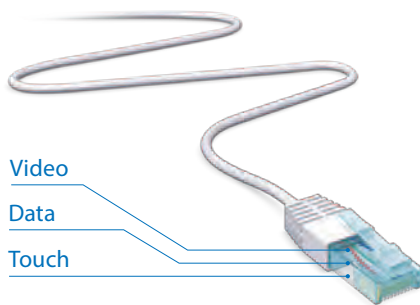
Be more flexible: Monitor placed up to 100m from IPC

In order to improve maintenance efficiency, it makes sense to have the user interface close to the machine operator. However, it was not easy to install the industrial PC and monitor where they were needed due to the limited distance between them. NY Monitor Link enables you to place an industrial monitor up to 100 m from an industrial PC, providing more flexibility to the layout of devices.



Standard Ethernet cable

Simply connect devices using up to 100m of Cat 6A or higher Ethernet cable with standard RJ45 connectors. That's all you need to do – no software to install, no operating system to update.



Unique auto-tune logic

Omron's unique modulation algorithms auto-tune the devices as soon as they are connected, ensuring stable connectivity with no excess latency, no interference, no disturbance.

Controllers

NY Monitor Link works with Omron's Industrial PC with an NY Monitor Link connector.

- NYB Industrial Box PC • NYP Industrial Panel PC
- NY512-1/532-1 IPC Machine Controller

NY Monitor Link connector specifications

NY Monitor Link connects Omron's Industrial Monitor and Omron's Industrial PC via NY Monitor Link connectors. The NY Monitor Link communication is a combination of video and USB information.

Item	Specifications
Connector type	RJ45
Transmission media	Twisted pair cable of category 6A or higher (double-shielded straight cable with copper braiding and aluminum foil)
Maximum cable length between industrial PC and industrial monitor	100m
Topology	Line (direct) connection only*
Video resolution	1,280 x 800 pixels at 60 Hz
Data throughput rate	280 Mbps max.

* Connect directly between Omron's Industrial PC and Omron's Industrial Monitor.

Do not use:

- Ethernet switches • Ethernet hubs • Daisy chain connections

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Note: Do not use this document to operate the Unit.

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