

PLC and HMI become ONE

The NSJ5 is all you need to build your automation solution. This OMRON product is the next step in panel-less automation created for applications that require visualisation, control and open network connection with little space!



Advanced Industrial Automation

All the functionality you want!

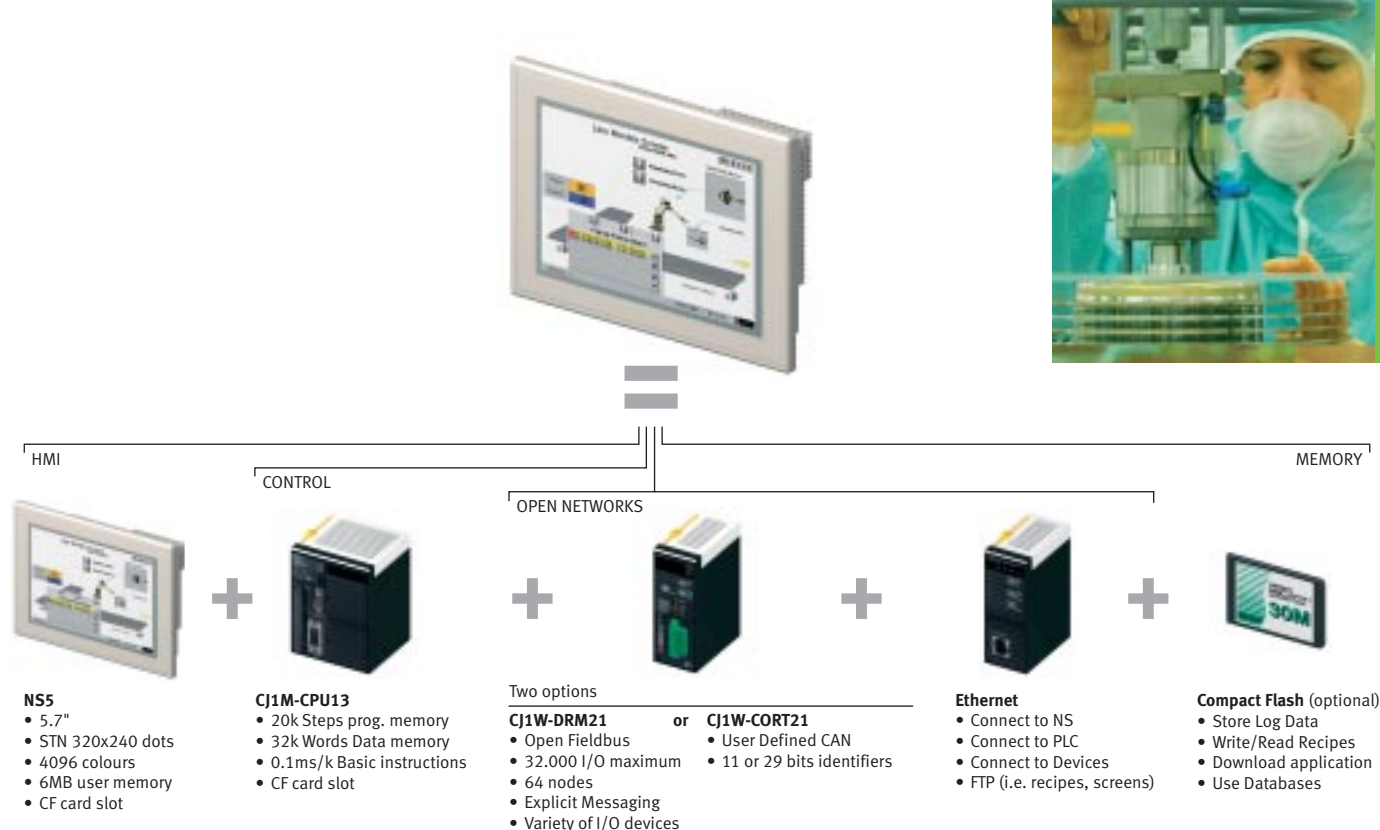
With the functionality of this product, which includes a fast and powerful PLC, a 5.7" touchscreen, and open Network connections, you are able to configure, debug, monitor and maintain your complete automation solution. This functionality is incorporated in a single compact housing! This means a very flexible and powerful solution in very little space. The NSJ5 is a key part of the OMRON Smart Platform concept.

All the advantages you want!

This product saves you a lot of space in your panel, because the PLC units are inside the NSJ5. You don't need to wire the connection between the PLC and the screen and you don't need a power supply or I/O cards. Just place your remote I/O DeviceNet

units in the field or connect other optional intelligent devices like servos or temperature controllers. This way you are able to use a smaller panel that saves you money.

Another big advantage of using the NSJ5 in your automation solution is the development time saved by making use of our Smart Active Parts in combination with the connected devices. With these pre-programmed Smart Active Parts you are able to present the operator the right information at the right time about any connected device without programming a single line in the PLC. This also means reduced downtime of the production line when there is a problem. You are able to pinpoint the exact location and cause of the problem and you may even be able to solve it with the help of the Smart Active Parts. This means increased production capacity and it will again save you money!



All the features you want!

NSJ5 has many functions like multi language support, password protection, datalogging components, alarm events (history), and ftp support. One of the other powerful features of the NS is displaying frames. With this function you can create your own tab-based-multi-page window in a screen to make the available data more comprehensive for an operator. Also our Machine Troubleshooter saves you a lot of development time. With this template project you can configure your Alarm Management with standard solution pages, where pictures and user definable text can be placed to troubleshoot machine errors.

The NSJ5 is equipped with a CJ1-series PLC with 20k Steps program memory, around 400 instructions and a very fast CPU. The standard network controller is a CJ1W-DRM21 DeviceNet master. DeviceNet is an advanced open network. A variety of I/O devices are available for DeviceNet such as digital I/O (IP67), temperature sensor modules, drives and wireless communication units. An alternative to the DeviceNet unit is a user defined CAN unit. As standard an Ethernet interface is provided as well as a CF-card interface to store data.

With all of these features you can build your ultimate, smart automation solution!



Ordering information

Product Name	Product description	Colour	With Ethernet
NSJ5-SQ01-DRM	5.7 inch STN terminal, 320x240 dots	Ivory	Yes
NSJ5-SQ01-CORT	5.7 inch STN terminal, 320x240 dots	Ivory	Yes
NS-NSDC1	NS-Designer screen designing software		
WS02-CXPC1-E	CX-Programmer		
WS02-CFDC1-E	DeviceNet Configurator		

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