Industrial PC Platform

NYE series

CSM_NYE_DS_E_4_1

Unlock reliability with NYE Basic Panel PC built to last

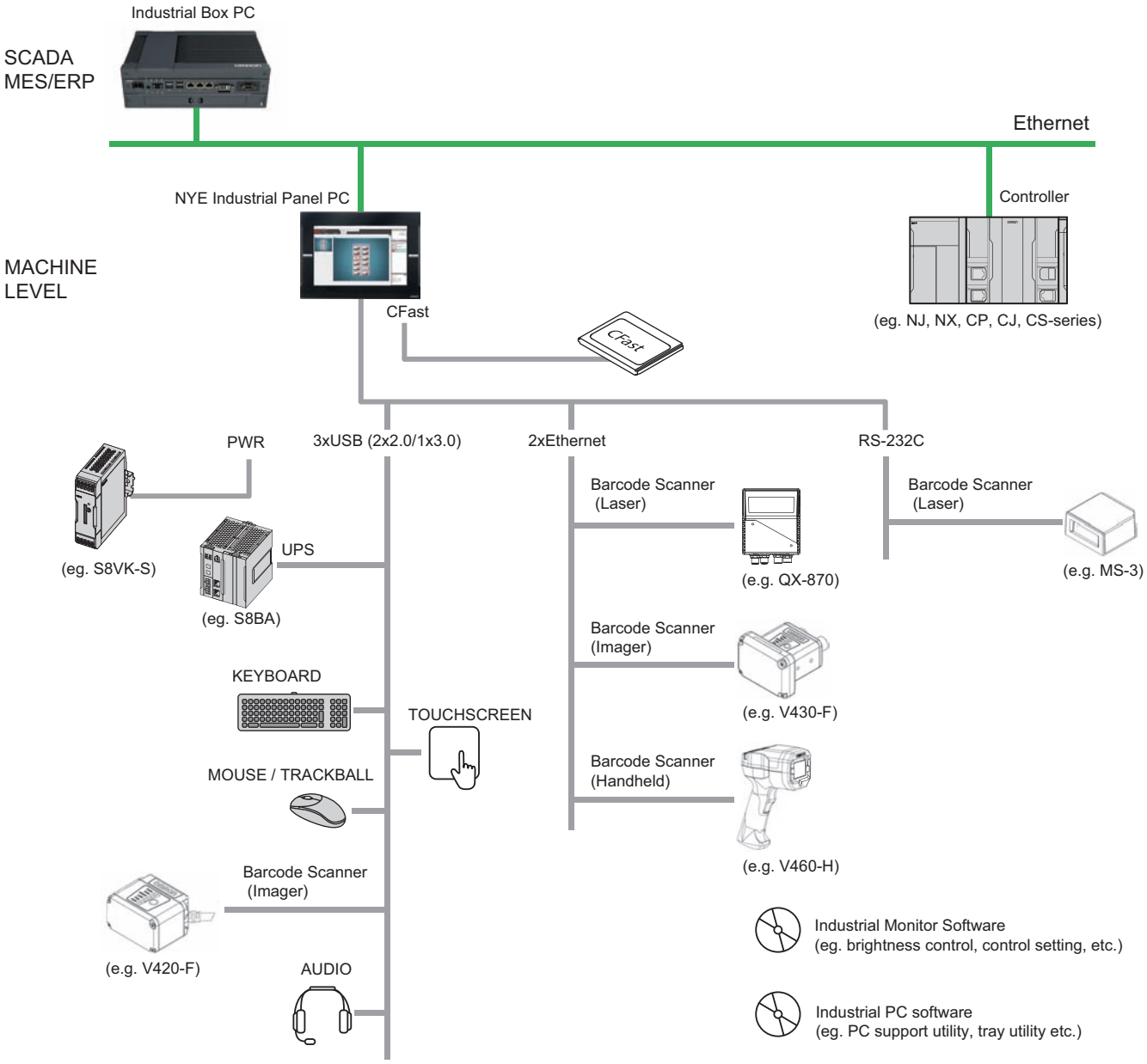
NYE industrial Panel PC offers the customer the flexibility to choose the application solution that best suits their needs. From the Windows-only version with the customer's freedom to install preferred applications to versions that add OMRON software packages for vision systems, QR code reading or HMI functionality. NYE is designed with durable hardware and software components for long-term use, applying high-quality components and innovative mechanical design, in addition to OMRON's highest production standards.

Features

- Industrial grade Intel Atom® Processor
- Windows 10 IoT 2021 Enterprise LTSC
- Compact design without fan
- Gigabit Ethernet ports to segregate access to your IT and OT systems
- 3 USB ports. (2 x USB 2.0 + 1 x USB 3.0)
- RS-232 Port
- CFast Card Slot
- Wide screen in all models: 7, 9, 12, and 15 inches
- More than 16 million color display for all models and 1280 x 800 high resolution display for the 12 and 15-inch models
- Resistive Touchscreen
- Housing with robust front, IP65 oil-proof type, UL Type 4X, rear side IP 20

NYE series

System Configuration



Model Number Structure

The purpose of this model number legend is to provide understanding of the meaning of specifications from the model number.
Models are not available for all combinations of code numbers.

NYE □□ - □ □ □ □ □ - □□ □ □ □ □ □ □

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Item	Description	Option/Description
1	Series name	NYE: NYE-series NYE IPC
2	CPU	2A: Intel Atom x5-E3940 CPU
3	Memory	2: DDR3L 4 GB no ECC
4	Expansion	0: No expansion
5	Operating System / Software	5: Windows 10 IoT Enterprise 2021 LTSC - 64 bit F: Windows 10 IoT Enterprise 2021 LTSC - 64 bit with FHV7 operation tool N: Windows 10 IoT Enterprise 2021 LTSC - 64 bit with Soft-NA
6	Storage	1: 128 GB, CFast 3DTLC
7	Interfaces	1: RS-232C
8	Display size (diagonal)	07: 7.0 inch model 09: 9.0 inch model 12: 12.1 inch model 15: 15.4 inch model
9	Aspect ratio	W: Wide
10	Touchscreen	R: Resistive
11	Frame-type	1: Panel mount
12	Front material & Color	2: Body Aluminium Black + Frontsheet Black
13	Build-in options	0: None
14	Customization	0: None

Ordering Information

NYE-series Industrial PC Platform

Recommended models

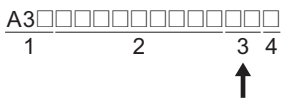
The industrial Panel PC has extended configuration possibilities to meet your requirements, below an overview of the most used and recommended models. Selecting one of the models below will bring the benefit of faster delivery times.
In case your preferred model is not listed below, please contact your OMRON representative to discuss the possibilities.

Product name	Specifications			Model
	Display size	Operating system	Frontsheet Color	
Industrial Panel PC	15.4 Inch	Windows 10 IoT Enterprise 2021 LTSC - 64 bit	Black	**NYE2A-20511-15WR1200**
		Windows 10 IoT Enterprise 2021 LTSC - 64 bit with FHV7 O.T	Black	**NYE2A-20F11-15WR1200**
		Windows 10 IoT Enterprise 2021 LTSC - 64 bit with Soft-NA	Black	**NYE2A-20N11-15WR1200**
	12.1 Inch	Windows 10 IoT Enterprise 2021 LTSC - 64 bit	Black	**NYE2A-20511-12WR1200**
		Windows 10 IoT Enterprise 2021 LTSC - 64 bit with FHV7 O.T	Black	**NYE2A-20F11-12WR1200**
		Windows 10 IoT Enterprise 2021 LTSC - 64 bit with Soft-NA	Black	**NYE2A-20N11-12WR1200**
	9.0 Inch	Windows 10 IoT Enterprise 2021 LTSC - 64 bit with Soft-NA	Black	**NYE2A-20N11-09WR1200**
	7.0 Inch	Windows 10 IoT Enterprise 2021 LTSC - 64 bit with Soft-NA	Black	**NYE2A-20N11-07WR1200**

Options

Product name	Specifications	Model
CFast card	128 GB, Innodisk DECFA-A28DK1GWADL	**NY000-AT04**
USB Memory	2 GB	**FZ-MEM2G**
Replacement Battery	Battery life: 5 years (at 25°C). This Battery is provided as an accessory.	**CJ1W-BAT01**
USB Type-A to USB Type-B Cables	2 m, USB2.0, Minimum bend radius: 25 mm	**FH-VUAB 2M**
	5 m, USB2.0, Minimum bend radius: 25 mm	**FH-VUAB 5M**
Power Supply	• Output voltage: 24 VDC • Push-In Plus terminal blocks	**S8VK-G□□□24**
	• Output voltage: 24 VDC • EtherNet/IP™, Modbus TCP-Compatible	**S8VK-X□□□24A-EIP**
	• Output voltage: 24 VDC • Compact	**S8VK-S□□□24**
	• Output voltage: 24 VDC • Three-phase 200-V Power Supplies	**S8VK-WA□□□24**
UPS	Output voltage during backup operation: 24 VDC±5% Revision number 09 or higher ✻1	**S8BA**
High-Pressure Waterproof Attachment (PWA)	For 15” LCD models. Install it to conform to UL Type 4X standards.	**NA-15WATW01**
	For 12” LCD models. Install it to conform to UL Type 4X standards.	**NA-12WATW01**
	For 9” LCD models. Install it to conform to UL Type 4X standards.	**NA-9WATW01**
	For 7” LCD models. Install it to conform to UL Type 4X standards.	**NA-7WATW01**
Anti-reflection Sheets	For 15” LCD models. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set.	**NA-15WKBA04**
	For 12” LCD models. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set.	**NA-12WKBA04**
	For 9” LCD models. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set.	**NA-9WKBA04**
	For 7” LCD models. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set.	**NA-7WKBA04**

✻1. The revision number of the UPS can be retrieved from the serial number label on the product and the product packaging.



Installed Support Software

Item	Specifications
Industrial PC Support Utility	The Industrial PC Support Utility is a software utility to assist in diagnosing and resolving problems of the Industrial PC. It is pre-installed on the Industrial Panel PC.
Industrial PC Tray Utility ✻1 ✻2	The Industrial PC Tray Utility is a software utility that provides information about the current state of the Industrial PC, its related devices, and associated software. It is pre-installed on the Industrial Panel PC.

✻1. Included in the Industrial PC Support Utility installer.
✻2. Together with the Industrial PC Tray Utility also Microsoft .NET Framework 4.6 is installed.

Automation Software Sysmac Studio

Product name	Specifications	Cat. No.
Automation Software Sysmac Studio	The Sysmac Studio is the software that provides an integrated environment for setting, programming, debugging and maintenance of machine automation controllers including the NJ/NX-series CPU Units, NY-series Industrial PC, EtherCAT® Slave, and the HMI.	P138

FHV7 Software

Product name	Specifications	Cat. No.
FHV7 Software ✻1	FHV7 Software is the software tool to setup OMRON FHV7 vision systems. Combine image processing application with data gathering. You can build sophisticated image inspection and data collection.	Q264

✻1. FHV7 Software is installed only on NYE versions. NYE□□-□□F□□

Soft-NA

Product name	Specifications	Cat. No.
Soft-NA ✻1	Soft NA will allow users to run NA5 HMI applications on an IPC. The Soft-NA is software that displays information on FA manufacturing sites while providing safety, reliability, and maintainability as an industrial display on which operations can be performed as necessary.	V471

✻1. Soft-NA Software is installed only on NYE versions. NYE□□-□□N□□

Specifications

Performance Specifications

Item			NYE□-□-15WR□	NYE□-□-12WR□	NYE□-□-09WR□	NYE□-□-07WR□
Main system	CPU	CPU type	Intel Atom® x5-E3940			
		Cores/Threads	4/4			
		CPU base frequency	1.60 GHz			
		Maximum turbo frequency	1.80 GHz			
		Cache	2 MB			
		Cooling details	Passive cooling (fanless)			
		Intel CPU category	Industrial (100% operation minimal 10yr)			
	Memory	Memory size	4 GB			
		Memory type	DDR3L Non-ECC			
		Speed grade	1866 MT/s			
		CAS latency	CL13			
	Graphics controller		Intel® HD Graphics 500			
Operating system	Windows OS		Windows 10 IoT Enterprise 2021 LTSC - 64 bit			
Storage devices	CFast		128 GB, CFast 3DTLC			
Connectors	Power connector		24 VDC			
	RS-232C		Standard SUBD9 connector (Isolated)			
	Ethernet connectors	Number of ports	2 × RJ45 Gb Ethernet interface connectors			
		Physical layer	10BASE-T, 100BASE-TX, 1000BASE-T			
		Maximum transmission distance between Ethernet switch and node	100 m			
	USB2.0 Type-A	Number of ports	2			
		Maximum current	500 mA at 5 VDC			
		Maximum cable length	5 m			
	USB3.0 Type-A	Number of ports	1			
		Maximum current	900 mA at 5 VDC			
		Maximum cable length	3 m			
Battery	Model		CJ1W-BAT01			
	Service life		Service life: 5 years at 25°C			
LED			PWR, ERR			

Display

Item		Specifications			
		NYE□-□-15WR□	NYE□-□-12WR□	NYE□-□-09WR□	NYE□-□-07WR□
Display panel ✻1	Display device	TFT LCD			
	Screen size	15.4 inches	12.1 inches	9.0 inches	7.0 inches
	Resolution (horizontal × vertical)	1,280 × 800 pixels at 60 Hz		800 × 480 pixels at 60 Hz	
	Colors	16,770,000 colors (24 bit full colors)			
	Effective display area	331 × 207 mm (horizontal × vertical)	261 × 163 mm (horizontal × vertical)	197 × 118 mm (horizontal × vertical)	152 × 91 mm (horizontal × vertical)
	View angles	Left: 60°, Right: 60°, Top: 60°, Bottom: 60°			
Touch	Technology	Resistive			
	Touch resolution	16,384 × 16,384			
	Life	1,000,000 operations minimum			
	Single touch	Yes			
Backlight	Life	50,000 hours min. ✻2			
	Brightness adjustment ✻3	100 levels			
	Type	LED			
Display layer	Status LED	Status of the Panel PC. Lit green: Normal operation, Lit red: Error			

✻1. There may be some defective pixels in the display. This is not a fault as long as the number of defective light and dark pixels fall within the following standard range: light and dark pixels 10 or less. There must not be 3 adjacent light/dark pixels.
✻2. This is the estimated time before brightness is reduced by half at room temperature.
The life expectancy is drastically shortened if used at high temperatures.
✻3. If the brightness is set to very low, it causes flickering, or the screen will be too dark to use.

Electrical Specifications

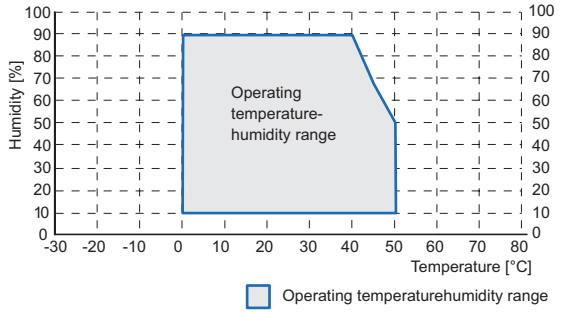
Item	Specifications			
	NYE□-□-15WR□	NYE□-□-12WR□	NYE□-□-09WR□	NYE□-□-07WR□
Rated power supply voltage	24 VDC			
Allowable power supply voltage range	20.4 to 28.8 VDC			
Power supply standard	SELV			
Grounding method	Ground to less than 100 Ω			
Inrush current	0.25 A/1 s max, electronically controlled			
Overvoltage category	JIS B3502 and IEC 61131-2: Category II			
EMC immunity level	IEC 61131-2: Zone B			
RTC accuracy	At ambient temperature of 55°C: −3.5 to +0.5 min error per month At ambient temperature of 25°C: −1.5 to +1.5 min error per month At ambient temperature of 0°C: −3 to +1 min error per month			
Power button life	100,000 operations			
Power consumption	34 W	38 W	30 W	28 W

Environmental Specifications

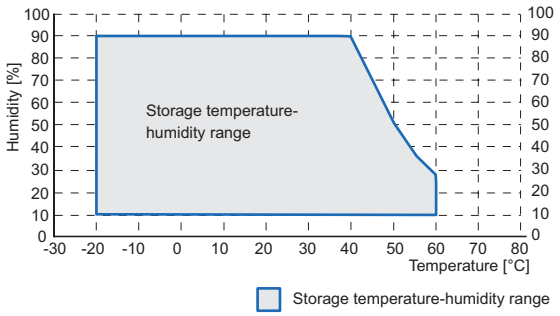
Item		Specifications
Operation environment	Ambient operating temperature	0 to 50°C ✻1
	Ambient storage temperature	−20 to +60°C ✻1
	Ambient operating humidity	10% to 90% (with no condensation) ✻1
	Ambient storage humidity	10% to 90% (with no condensation) ✻1
	Operating atmosphere	No corrosive gases
	Altitude	2,000 m max.
	Noise resistance (During operation)	Conforms to IEC 61000-4-4, 2kV (power lines)
	Vibration resistance (During operation)	The vibration resistance depends on the storage device(s): • For a Panel PC with a CFast storage devices: 5 to 8.4Hz with 3.5 mm single amplitude and 8.4 to 150 Hz with 9.8 m/s² for 100 minutes each in X, Y and Z directions. Conforms to IEC 60068-2-6.
	Shock resistance (During operation)	Conforms to IEC 60068-2-27 147 m/s², 3 times each in X, Y and Z directions
	Installation method	Mount on panel
	Material finish	NYE□□-□□□□□-□□WR1200 Housing black aluminium, Frontsheet black
	Degree of protection	Front of Monitor: IP65 or the equivalent. The Panel PC may not operate properly in locations subjected to oil splashes for extended periods of time.
	Pollution degree	JIS B3502 and IEC 61131-2: 2 or less and IEC 61010-2-201: 2 or less.
International standards ✻2		UL61010-2-201/CSA C22.2 NO.61010-2-201:14 ✻3 EMC Directive (2004/108/EC) EN 61131-2:2007 IP65 oil-proof, UL Type 4X ✻4 (front panel Only)

✻1. The maximum ambient operating temperature and ambient humidity are specified per storage device type.
The following graphs provide ambient temperature and humidity details per storage device type and the conditions for storage.

- Operate the Panel PC with a CFast card within the ambient temperature and humidity ranges as shown in the following graph.

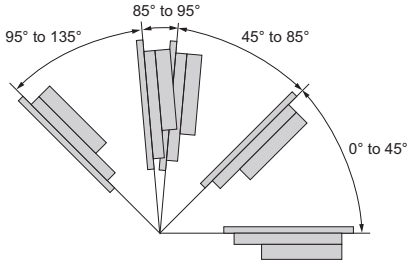


- Store the Panel PC within the ambient temperature and humidity ranges as shown in the following graph.



Ambient operating temperature specifications for model NYE2A-□0.
This Panel PC has an Intel® Atom® x5-E3940 CPU.

Product Orientation	Mounting Angle	Storage device type
		CFast Card
Landscape	0° to 45°	0 to 40°C
	45° to 85°	0 to 45°C
	90° ±5°	0 to 50°C
	95° to 135°	0 to 45°C

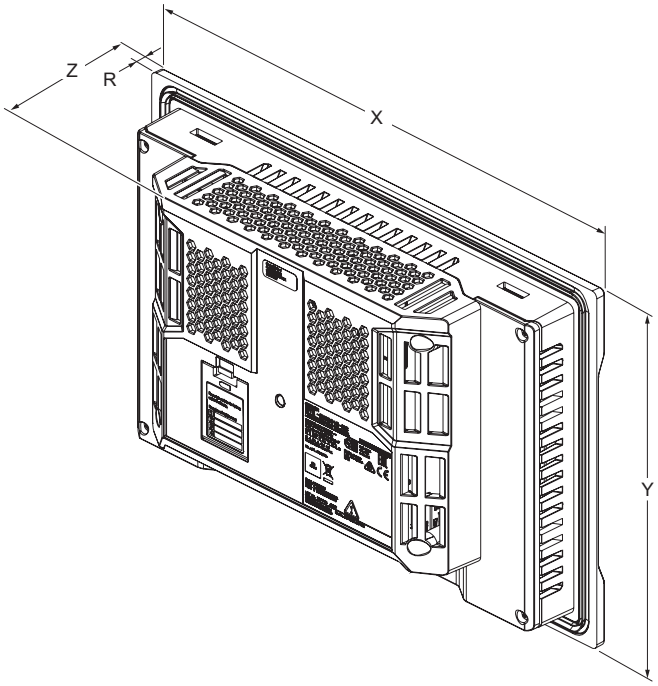


✻2. Check with your OMRON representative or refer to the following OMRON website for the latest information on the applicable standards for each model: www.ia.omron.com.
✻3. Use power supply Class 2 to conform to UL Standards.
✻4. Use the NA-□WATW01 High-pressure Waterproof Attachment (sold separately) to conform to UL Type 4X.

NYE series

Dimensions

The dimensions and weights can differ depending on the configuration.



The following tables provide specification details per configuration.

15" Display NYE-series

The following table provides specification details on dimensions and weights for the Panel PC with 15" display.

Model		Specifications				
Model-ID	**Model Details**	**Width X**	**Height Y**	**Depth Z**	**Weight**	**Rim thickness R**
NYE□□-□□□□□-15□□	**15" display**	414 mm	287 mm	69 mm	3.2 kg	6.0 mm
Panel cutout dimensions		Width X1 = 392 $^{+1}_{-0}$ mm Height Y1 = 268 $^{+1}_{-0}$ mm				

12" Display NYE-series

The following table provides specification details on dimensions and weights for the Panel PC with 12" display.

Model		Specifications				
Model-ID	**Model Details**	**Width X**	**Height Y**	**Depth Z**	**Weight**	**Rim thickness R**
NYE□□-□□□□□-12□□	**12" display**	333 mm	240 mm	69 mm	2.4 kg	6.0 mm
Panel cutout dimensions		Width X1 = 310 $^{+1}_{-0}$ mm Height Y1 = 221 $^{+1}_{-0}$ mm				

9" Display NYE-series

The following table provides specification details on dimensions and weights for the Panel PC with 9" display.

Model		Specifications				
Model-ID	**Model Details**	**Width X**	**Height Y**	**Depth Z**	**Weight**	**Rim thickness R**
NYE□□-□□□□□-9□□	**9" display**	283 mm	185 mm	69 mm	1.8 kg	6.0 mm
Panel cutout dimensions		Width X1 = 261 $^{+1}_{-0}$ mm Height Y1 = 166 $^{+1}_{-0}$ mm				

7" Display NYE-series

The following table provides specification details on dimensions and weights for the Panel PC with 7" display.

Model		Specifications				
Model-ID	**Model Details**	**Width X**	**Height Y**	**Depth Z**	**Weight**	**Rim thickness R**
NYE□□-□□□□□-7□□	**7" display**	220 mm	160 mm	69 mm	1.4 kg	6.0 mm
Panel cutout dimensions		Width X1 = 197 $^{+1}_{-0}$ mm Height Y1 = 141 $^{+1}_{-0}$ mm				

Recommended Related Products

Inspection systems FHV7

High-speed, high-accuracy inspection and measurement The new FHV7-series Smart Camera combined with illumination and image processing functionality for advanced vision inspections. Thanks to multi-color light and a 12-megapixel high-resolution camera, only a single FHV7-series Smart Camera is required for achieve the industry's highest level of precision in vision inspections on a high-mix production line.

Identification systems F4x0-F

Traditional image inspections require one or more dedicated cameras to be paired with a code reader. Omron's F430-F/F420-F Series Smart Camera bundles all this functionality into a single device, dramatically simplifying application design. The single camera solution also reduces the initial investment, cuts down on wiring work and keeps maintenance costs to a minimum.

S8BA-series UPS

The OMRON S8BA UPS protects the Industrial PC from power failures, voltage variations and instantaneous voltage drops.

Barcode Readers V4x0-F Traceability Solutions

Component and product traceability are common requirements for today's busy factories and assembly plants. Omron 2D barcode readers feature industry-leading technology for decoding 2D symbols and linear barcodes based on Omron's proven image processing and decoding algorithm development, offering unrivalled performance for reliably decoding challenging codes and direct part marks (DPM).

Industrial Handheld DPM Reader V460-H

In industry, having a mixture of both low-contrast Direct Part Marks and high-contrast printed barcodes is common. With the V460, there's no need to purchase multiple units for different size barcodes, surfaces or types, as the reader automatically adjusts to decode the direct part mark or label presented. It's never been easier to improve your traceability solution.

Related Manuals

The following manuals are related. Use these manuals for reference.

Manual name	Cat. No.	Model numbers	Application	Description
NYE-series Industrial Panel PC Hardware User's Manual	W634	NYE□□-□□□□□-□□□□□□□□	Learning all basic information about the Panel PC. This includes introductory information with features, hardware overview, specifications, mounting, wiring, connecting, operating and maintaining the Industrial Monitor.	An introduction to the Panel PC is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
NYE-series Industrial PC Operating Systems and Software Utilities Manual	W635	NYE□□-□□□□□-□□□□□□□□	Learning all software related information about the Panel PC. This includes introductory information, installation, operating procedures and maintenance. Mainly software information is provided.	An introduction to the Panel PC is provided along with the following information: • Overview • Software • Specifications • Installation • Operating Procedures • Maintenance
Sysmac Studio Version 1 Operation Manual	W504	SYSMAC-SE2□□□	Learning about the operating procedures and functions of the Sysmac Studio.	Describes the operating procedures of the Sysmac Studio.
CX-Designer User's Manual	V099	---	Learning all software related information about CX-Designer.	An introduction to CX-Designer with the following information: • Overview • User Interface • Installation • Basic Operations • Application Methods
FHV7-Series Manuals	Z408	FHV7	FHV7 Smart Camera Setup Manual	The FHV7 user manuals describe the complete setup for vision system solution. Smart camera setup, communication setup, software tools, image processing, lenses, and lighting.
	Z365		FH/FHV Series Vision System User's Manual	
	Z342		FH/FHV Series Vision System User's Manual (Comm. Settings)	
	Z343		FH/FHV Series Vision System Operation Manual (Sysmac Studio)	
	Z341		FH/FHV Series Vision System Processing Item Function Ref. Manual	
MicroHAWK V Series Barcode Reader User's Manual	Z432	V4□0-F□□□□□□□-□□□	Learning the information that is necessary to use MicroHAWK V Series	An introduction to the MicroHAWK Barcode Readers with the following information: • Overview • Quick Start • Start, Setup and Run • Application Settings • Terminal View • Advanced Settings
V460-H Industrial Handheld DPM Reader User's Manual	Z461	V460-H0PX	Learning the information that is necessary to use the V460-H Industrial Handheld DPM Reader	An introduction to the V460-H Industrial Handheld DPM Reader with the following information: • Product Overview • Installation and Connections • Basic Operation • WebLink$_{HH}$ Configuration • Reader Parameters
MicroHAWK F Series Smart Camera User's Manual	Z433	F4□0-F□□□□□□□-□□□	Learning the information that is necessary to use MicroHAWK F Series	An introduction to the MicroHAWK Smart Cameras with the following information: • Overview • System Components • Getting Started with AutoVISION • Optics and Lighting
NA-series Programmable Terminal Soft-NA User's Manual	V126	NA-RTLD□□	Learning the basic use of Soft-NA and the differences from NA5 PT.	Describes the basic use of Soft-NA and the differences from NA5 PT.

Manual name	Cat. No.	Model numbers	Application	Description
UPS S8BA User's Manual	U702	S8BA	Learning the information that is necessary to use the Uninterruptible Power Supply (UPS) Unit.	An introduction to the UPS is provided along with the following information: • Overview • Preparation • Installation and Connection • Check and Start Operation • Maintenance and Inspection • Shutdown Processing • I/O Signal Functions • Troubleshooting

Sysmac is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products.
Windows is either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
Intel, Atom are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.
EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.
EtherNet/IP™ is trademarks of ODVA.
CFast is a registered trademark of CompactFlash Association.
Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.
The product photographs and figures that are used in this catalog may vary somewhat from the actual products.

Terms and Conditions Agreement

Read and understand this catalog.
Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.
(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.
(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE
PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.
Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.
See http://www.omron.com/global/ or contact your Omron representative for published information.

Limitation on Liability; Etc.
OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.
Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.
Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.
NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.
Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.
Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.
Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions.
Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

2026.7

In the interest of product improvement, specifications are subject to change without notice.

OMRON Corporation
Industrial Automation Company

http://www.ia.omron.com/

(c)Copyright OMRON Corporation 2026 All Right Reserved.