## Works great, looks great.

Our NY industrial Panel PC enables operator and maintenance engineer to operate and interact more effectively with the machine, using powerful, tough and future-proof PC technology for visualization, data-handling, measuring and controlling. Omron engineers used the latest insights in design simplification to cut faults caused by complexity, while optimizing operator efficiency, maximizing uptime and reducing costs.



### Features

- No internal cables in the PC part eliminates faults, maximizes uptime
- Unique simplified thermal design cuts downtime
- Powerful Intel<sup>®</sup> Core<sup>™</sup> technology for optimum performance
- Industrial CPU's with long availability
- 12.1, 15.4 and 18.5 inch industrial display
- Multi-touch projected capacitive touchscreen
- False touch detection (palm, water)
- Operator can wear gloves \*

\* When using gloves, ensure to use gloves that are functional with this touchscreen.

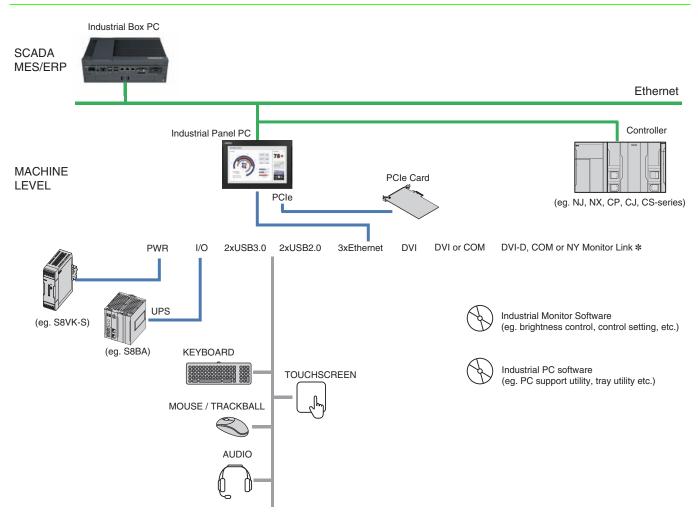
Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

The SD and SDHC logos are trademarks of SD-3C, LLC.

Intel, Celeron and Intel Core are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. 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 document may vary somewhat from the actual products.

## **System Configuration**



\*NY Monitor Link option: Connect monitor up to 100 m via Ethernet cable.

## **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.

 $\underbrace{\text{NYP}}_{1} \underbrace{\square}_{2} - \underbrace{\square}_{3} \underbrace{\square}_{4} \underbrace{\square}_{5} \underbrace{\square}_{6} \underbrace{\square}_{7} - \underbrace{\square}_{8} \underbrace{\square}_{9} \underbrace{\square}_{10} \underbrace{\square}_{11} \underbrace{\square}_{12} \underbrace{\square}_{13} \underbrace{\square}_{14}$ 

Item	Description	Option / Description
1	Series name	NYP: NY- series Industrial Panel PC
2	Processor	27: Intel® Core™ i7-7820EQ7th generation CPU with fan unit for active cooling35: Intel® Core™ i5-7300U7th generation CPU with fanless cooling2C: Intel® Celeron® 3965U7th generation CPU with fanless cooling2A: Intel® Atom® x5-E3940
3	Main memory	1: 2 GB, non-ECC 2: 4 GB, non-ECC 3: 8 GB, non-ECC 4: 16 GB, non-ECC 5: 32 GB, non-ECC C: 8 GB, ECC D: 16 GB, ECC E: 32 GB, ECC
4	Expansion slots	0: No PCIe slot 1: 1 PCIe slot
5	Operating system	0: No operating system 3: Windows 10 IoT Enterprise 2016 LTSB - 64 bit 4: Windows 10 IoT Enterprise 2019 LTSC - 64bit F: Windows 10 IoT Enterprise 2019 LTSC - 64 bit + FH software
6	Storage	0: No disk 5: 64 GB, CFast MLC 6: 128 GB, CFast MLC 7: 256 GB, CFast MLC 8: 32 GB, SSD SLC 9: 64 GB, SSD SLC C: 320 GB, HDD D: 500 GB, HDD E: 1 TB, HDD K: 128 GB, SSD MLC L: 256 GB, SSD MLC M: 500 GB, SSD MLC P: 1 TB, SSD 3DTLC
7	Optional interface	0: No optional interface 1: RS-232C 2: DVI-D 6: NY Monitor Link
8	Display size (diagonal)	12: 12.1 inch model, 1280 x 800 pixels, 24 bit full color 15: 15.4 inch model, 1280 x 800 pixels, 24 bit full color 19: 18.5 inch model, 1,920 x 1,080 pixels, 24 bit full color
9	Display ratio	W: Wide
10	Touchscreen	C: Projected Capacitive Touch type
11	Frame type	1: Panel mounted
12	Material/finish	0: Aluminum, black paint 1: Aluminum, Nickel plating
13	Built-in options	0: None
14	Logo	0: OMRON 2: Customized logo *

\* Please consult your OMRON representative for details.

## **Ordering Information**

## **NY-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.

		Specifications												
Product name	Display size	Operating system	CPU type	RAM memory (non-ECC type)	Storage size	Interface option	PCIe-slot	Model						
		Windows 10 IoT Enterprise 2016	Intel <sup>®</sup> Core™ i5-7300U	8 GB	256 GB CFast type (MLC)	No	No	NYP35-30370-12WC1000						
	12.1 Inch	LTSB - 64 bit	Intel <sup>®</sup> Celeron™ 3965U	8 GB	256 GB CFast type (MLC)	No	No	NYP2C-30370-12WC1000						
	12.1 Inch	Windows 10 IoT	Intel <sup>®</sup> Core™ i7-7820EQ	8 GB	128 GB CFast type (MLC)	No	No	NYP27-30460-12WC1000						
		Enterprise 2019 LTSC - 64bit	Intel <sup>®</sup> Atom <sup>®</sup> x5-E3940	4 GB	128 GB CFast type (MLC)	No	No	NYP2A-20460-12WC1000						
	15.4 Inch	Windows 10 IoT Enterprise 2016 LTSB - 64 bit	Intel <sup>®</sup> Core™ i5-7300U	8 GB	256 GB CFast type (MLC)	No	No	NYP35-30370-15WC1000						
Industrial			Intel <sup>®</sup> Celeron™ 3965U	8 GB	256 GB CFast type (MLC)	No	No	NYP2C-30370-15WC1000						
Panel PC		15.4 Inch	15.4 Inch	15.4 Inch	15.4 Inch	15.4 Inch	15.4 Inch	15.4 IIICH	Windows 10 IoT Enterprise 2019	Intel <sup>®</sup> Core™ i7-7820EQ	8 GB	128 GB CFast type (MLC)	No	No
		LTSC - 64bit	Intel <sup>®</sup> Atom <sup>®</sup> x5-E3940	4 GB	128 GB CFast type (MLC)	No	No	NYP2A-20460-15WC1000						
		Windows 10 IoT	Intel <sup>®</sup> Core™ i5-7300U	8 GB	256 GB CFast type (MLC)	No	No	NYP35-30370-19WC1000						
		Enterprise 2016 LTSB - 64 bit	Intel <sup>®</sup> Celeron™ 3965U	8 GB	256 GB CFast type (MLC)	No	No	NYP2C-30370-19WC1000						
	18.5 Inch *	Windows 10 IoT	Intel <sup>®</sup> Core™ i7-7820EQ	8 GB	128 GB CFast type (MLC)	No	No	NYP27-30460-19WC1000						
		Enterprise 2019 LTSC - 64bit	Intel <sup>®</sup> Atom <sup>®</sup> x5-E3940	4 GB	128 GB CFast type (MLC)	No	No	NYP2A-20460-19WC1000						

\*18.5 inch models also available with Nickel Plating front.

### **Accessories**

### **Optional Hardware**

Product name	Specifications	Model	
	VESA mount	NY000-AB06	
	VESA mount	NY000-AB07	
	VESA mount	NY000-AB08	
ounting Brackets <b>*1</b>	VESA mount	NY000-AB09	
	VESA mount	NY000-AB10	
Memory Cards B Flash Drives	VESA mount	NY000-AB11	
	VESA mount handle	NY000-AB12	
	Card type: SD Card Capacity: 2 GB Format: FAT16	HMC-SD292	
D Memory Cards	Card type: SDHC Card Capacity: 4 GB Format: FAT32	HMC-SD492	
	Card type: SDHC Card Capacity: 16 GB Format: FAT32	HMC-SD1A2	
	Capacity: 2 GB	FZ-MEM2G	
SB Flash Drives	Capacity: 8 GB	FZ-MEM8G	
	Storage type: HDD Capacity: 320 GB	NY000-AH00	
torage Devices	Storage type: HDD Capacity: 500 GB	NY000-AH01	
	Storage type: HDD Capacity: 1 TB	NY000-AH02	
	Storage type: SSD SLC Capacity: 32 GB	NY000-AS00	
	Storage type: SSD SLC (Apacer) Capacity: 64 GB	NY000-AS01	
	Storage type: SSD SLC (Hagiwara) Capacity: 64 GB	NY000-AS03	
	Storage type: SSD MLC (Innodisk) Capacity: 128 GB	NY000-AS04	
	Storage type: SSD MLC Capacity: 500 GB	NY000-AS05	
	Storage type: SSD 3DTLC Capacity: 1 TB	NY000-AS07	
	Storage type: SSD MLC (Innodisk) Capacity: 256 GB	NY000-AS08	
	Storage type: CFast MLC Capacity: 64 GB	NY000-AT00	
	Storage type: CFast MLC Capacity: 128 GB	NY000-AT01	
	Storage type: CFast MLC Capacity: 256 GB	NY000-AT02	
VI Cables	Cable length: 2 m Supports DVI-D Minimum bend radius: 36 mm	NY000-AC00 2M	
	Cable length: 5 m Supports DVI-D Minimum bend radius: 36 mm	NY000-AC00 5M	
	Output voltage: 24 VDC     Push-In Plus terminal blocks	S8VK-G	
ower Supply	Output voltage: 24 VDC     EtherNet/IP, Modbus TCP-Compatible	S8VK-X	
	Output voltage: 24 VDC     Compact	S8VK-S	
	Output voltage: 24 VDC     Three-phase 200-V Power Supplies	S8VK-WA	
PS <b>*2</b>	Output voltage during backup operation: 24 VDC ± 5%	S8BA	
PS Communication Cable	Cable length: 2 m Signals for • Signal output (BL, TR, BU, WB) • Remote ON/OFF input • UPS Stop Signal input (BS)	S8BW-C02	

Note: Orders for NY000-AS02 are no longer accepted, as of November 30, 2018. **\*1.** Select the required type. Industrial Panel PC and Industrial Monitor type only. NY000-AB06: for NYP35-00 --12WC, NYP2C-00 --12WC, NYP2A-00 --12WC NY000-AB07: for NYP35-00 --15WC, NYP2C-00 --15WC, NYP2A-00 --15WC NY000-AB08: for NYP35-00 --19WC, NYP2C-00 --15WC, NYP2A-00 --15WC NY000-AB09: for NYP35-10 --12WC, NYP2C-00 --19WC, NYP2A-00 --19WC NY000-AB09: for NYP35-11 --12WC, NYP2C-11 --12WC, NYP27-00 --12WC NY000-AB10: for NYP35-11 --15WC, NYP2C-11 --15WC, NYP27-00 --15WC NY000-AB11: for NYP35-10 --15WC, NYP2C-11 --15WC, NYP27-00 --15WC NY000-AB11: for NYP27-00-19WC NY000-AB12 Handle for AB06 to AB11

\*2. Revision number 04 or later.

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

<u>A30</u>					
1	2 3 4				
Item	Description				
1	Product code				
2	Product period and sequential number				
3	Revision number				
4	RoHS status				

### **Spare Parts**

The following spare parts for the Industrial Panel PC are available.

Product name	Specifications	Model
Battery	One battery is supplied with the Industrial Panel PC. The battery supplies power to the real-time clock. The battery is located inside the Industrial Panel PC. Service life: 5 years at 25°C	CJ1W-BAT01 *
Fan Unit	The Fan Unit is available for the Industrial Panel PC that has active cooling. Service life: 70,000 hours of continuous operation at 40°C with 15% to 65% relative humidity. Shelf life: 6 months This is the storage limitation with no power supplied.	NY000-AF00
Accessory Kit	Replacement kit containing all accesories supplied with Industrial Panel PC.         Power connector         I/O connector         Drive bracket for drive installation         4 mounting screws for drive installation         PCIe Card support for PCIe Card installation         PCIe Card clip for PCIe Card installation	NY000-AK00
	Power connectors (10 pcs) for Industrial Box PC and Industrial Panel PC	NY000-AK01

\* Only for models with replaceable battery.

### **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 Panel PC. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.
Industrial PC Tray Utility	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 Box PC and the Industrial Panel PC.
Industrial PC System API	The Industrial PC System API allows programmers to create programs that can retrieve information or set an indicator status of the Industrial Panel PC. The API makes use of the included IPC System Service to manage the hardware. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.
Industrial Monitor Utility	The Industrial Monitor Utility provides a user interface to control settings and display details of connected Industrial Monitors. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.
Industrial Monitor Brightness Utility	The Industrial Monitor Brightness Utility is a small software utility that allows you to control the brightness of the screen backlight of all connected Industrial Monitors. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.
Industrial Monitor API	The Industrial Monitor API allows programmers to create applications that can control the hardware features and retrieve information from connected Industrial Monitors. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.
Industrial PC Rescue Disk Creator	The Industrial PC Rescue Disk Creator creates a USB Rescue Disk which can be used to back-up and restore the Omron IPC Operating System. It is pre-installed on the Industrial Box PC and the Industrial Panel PC.

### Soft-NA

Product name	Specifications	Number of licenses	Media	Model
	The Soft-NA is software that displays information on FA manufacturing sites while providing safety, reliability,	_ (Media only)	DVD	NA-RTSM
Soft-NA	and maintainability as an industrial display on which operations can be perfoemed as necessary. The Soft-NA runs on the following OS: Windows 10 Pro Version 1903 or later 64 bit	1 license		NA-RTLD01
		3 licenses	USB dongle	NA-RTLD03
		10 licenses		NA-RTLD10

#### **System Requirements**

	Item	Requirement		
OS	Windows 10 Pro Version 1903 or later 64 bit			
Processor		Intel Atom <sup>®</sup> x5-E3940 equivalent or higher processor		
RAM		4 GB or more		
Free space in the hard dr	ive necessary for installation	ion 1 GB or more		
Optical disk drive		DVD-ROM drive		
<b>o</b>	USB	USB2.0 Type-A x 2 *1		
Communication port	LAN	Ethernet x 2 *1		

**\*1.** Since one port is for project transfer, it is not required unless the corresponding path is used. **Note:** Refer to NA-series catalog (Cat. No. V413) for the system configuration of Soft-NA.

# **General Specifications**

## **Performance Specifications**

	Item			NYP35-01000	NYP2C-D1DDD	NYP27-0000	NYP35-0000	NYP2C-D0DDD	NYP2A-D0DDD		
		CPU type		Intel <sup>®</sup> Core™ i5-7300U	Intel <sup>®</sup> Celeron <sup>®</sup> 3965U	Intel <sup>®</sup> Core™ i7-7820EQ	Intel <sup>®</sup> Core™ i5-7300U	Intel <sup>®</sup> Celeron <sup>®</sup> 3965U	Intell <sup>®</sup> Atoml <sup>®</sup> x5-E3940		
		Cores / Th	nreads	2/4	2/2	4/8	2/4	2/2	4 / 4		
		CPU base frequency		2.6 GHz	2.2 GHz	3.0 GHz	2.6 GHz	2.2 GHz	1.6 GHz		
	СРИ	Maximum frequency		3.5 GHz	-	3.7 GHz	3.5 GHz	-	1.8 GHz		
		Cache		3 MB	2 MB	8 MB	3 MB	2 MB	2 MB		
Main		Cooling details		Passive cooling (	(fanless)	Requires active cooling (fan)	Passive cooling	(fanless)			
system		Intel CPU category		Industrial (100%	operation minimal	10yr)					
		Memory s	ize *3	4 or 8 GB	4 or 8 GB	8, 16 or 32 GB	8 or 16 GB	4 or 8 GB	2, 4 or 8 GB		
	Memory	Memory ty	уре	DDR4 (non ECC	)				DDR3L (non ECC)		
	Trusted plat	form modul	le (TPM)	Available							
				Intel <sup>®</sup> HD Graphi	cs. Up to two inde	pendent screens.					
	Graphics co	ntroller		Intel <sup>®</sup> HD Graphics 620	Intel <sup>®</sup> HD Graphics 610	Intel <sup>®</sup> HD Graphics 630	Intel <sup>®</sup> HD Graphics 620	Intel <sup>®</sup> HD Graphics 610	Intel <sup>®</sup> HD Graphics 500		
	Watchdog			Yes	1						
Operating system	Windows OS	3		Windows 10 IoT Enterprise 2016         Windows 10 IoT Enterprise 2019         Windows 10 IoT UTSB - 64 bit         Windows 10 IoT				Enterprise 2016	Windows 10 IoT Enterprise 2019 LTSC - 64 bit		
Storage devices		Hard Disk Drive		• 320 GB Serial ATA 3.0	)	N/A			1		
	Drives *3	Solid State	SLC type	• 64 GB Serial ATA 3.1		N/A					
uevices		Drive	MLC type	<ul> <li>128 GB Serial ATA 3.1</li> </ul>	l	• 64 GB, 128 GB, 256 GB Serial ATA 3.1, CFast					
	Drive bays (HDD/SSD) *1		2	2	CFast slot	CFast slot	CFast slot	CFast slot			
	Power conne	ector		24 VDC							
	I/O connector		2 inputs (Power ON/OFF Input and UPS Mode Input) and 1 output (Power Status Output)								
	USB2.0	Number o	f ports	2							
	Туре-А	Maximum current		500 mA							
		Maximum	cable length	5 m							
	USB3.0	Number o	f ports	2							
Connectors	Туре-А	Maximum		900 mA							
	.,,,	Maximum	cable length	3 m							
	Ethernet	Number o	f ports	3							
	connectors	Physical I	-	10BASE-T, 100BASE-TX or 1000BASE-T							
		Video inte	erface	Digital only							
	DVI-I connector	Resolution Maximum		Up to 1,920 x 1,200 pixels at 60 Hz							
		DVI cable	length	Dependent upon connected monitor type and resolution       Standard DSUB9 connector							
	RS-232C			(Non-Isolated)	Connector	N/A					
		Video inte		Digital only	00 pivele -+ 00 / /	N/A					
Optional	DVI-D	Resolutio Maximum		Dependent upon		z N/A N/A					
connector		DVI cable	-	monitor type and	resolution						
(select one per system)		Video inte		Digital only							
. ,	NY Monitor Link	Connecto Cable shie and max.	elding, type	RJ45 S/FTP, Cat.6A, 1	00 m						
			throughput	280 Mbps max.							
	GigE LAN	Physical I	2\/OF	N/A							

	Item	NYP35-01000	NYP2C-D1DDD	NYP27-0000	NYP35-0000	NYP2C-D0DDD	NYP2A-D0DD
	Configuration	X2 (2 lanes) up to Gen 3		N/A			
PCIe Card Slot	Card height	Standard height cards, 4.20 inches (106.7 mm) *2		N/A			
our d'orot	Card length	Half length cards, 6.6 inches (167.65 mm)		N/A			
Battery	Model	Non replaceable battery		CJ1W-BAT01	Non replaceable battery		
	Service life	10 years at 40°C *4		5 years at 25°C	10 years at 40°C *4		
	Model	No fan unit		NY000-AF00	No fan unit		
Fan unit	Service life	-	-	70,000 hours of continuous operation at 40°C with 15% to 65% relative humidity			
LED		PWR, ERR, HDD	, RUN	1	1		

**\*1.** Depending on the model one or two drives are supported.

**\*2.** Low profile cards, 2.536 inches (64.4 mm) are not supported.

\*3. Not all combinations are possible or standard available. Please contact your Omron representative to discuss the possibilities.

\*4. Battery service life highly depend on circumtance and is in normal operation >20yr longer

### **Display Specifications**

	Item		Specifications				
			12.1 Inch models	15.4 Inch models	18.5 Inch models		
		Display device	TFT LCD				
		Screen size	12.1 inches	15.4 inches	18.5 inches		
		Surface treatment	Anti glare treatment		•		
		Surface hardness	Mohs scale: 5 - 6				
		Resolution	$1,\!280\times800$ pixels at 60 Hz (hor	rizontal × vertical)	1,920 $\times$ 1,080 pixels at 60 Hz (horizontal $\times$ vertical)		
	Display panel	Colors	16,770,000 colors				
	*1	Effective display area	261 × 163 mm (horizontal ´vertical)	$331 \times 207 \text{ mm}$ (horizontal × vertical)	$409 \times 230 \text{ mm}$ (horizontal × vertical)		
Display		View angles	Left: 60°, Right: 60°, Top: 60°, Bottom: 60°		Left: 89°, Right: 89°, Top: 89°, Bottom: 89°		
Display		Typical LCD Brightness (initial)	1,500 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>		
		Life	50,000 hours min. *2				
		Brightness adjustment	200 levels *3				
		Technology	Projected capacitive				
		Touch resolution	Touch accuracy 1.5% (4-5 mm)				
	Touch	Multi touch	Up to 5 simultaneous touches				
	Touch	Features	Water detection *4, hand palm	rejection *5, gloves *6			
		Life	50,000,000 operations min.				
		EMC	Correct touchscreen operation is	s possible within allowable EM	C immunity conditions		

\*1. There may be some defective pixels in the display. This is not a fault as long as the numbers of defective light and dark pixels fall within the following standard range: light and dark pixels 10 or less. (There must not be 3 consecutive light/dark pixels.)

\*2. This is the estimated time before brightness is reduced by half at room temperature and humidity.

The life expectancy is drastically shortened if used at high temperatures.

**\*3.** If the brightness is set to very dark, it causes flickering or the screen will be too dark to use. **\*4.** If water is detected the touch functionality will not be available.

**\*5.** If a palm is detected that specific area is ignored.

\*6. The touchscreen can be operated when wearing gloves. Check correct usage of the gloves before using them.

## **Electrical Specifications**

CPU type         i5-7300U         3965U         i7-782DEQ         i5-7300U         3965U         x5-E3940           Rated power supply voltage         24 VDC, non-isolated                                                                                                          <	em		NYP35-0100	NYP2C-D1DDD	NYP27-0000	NYP35-0000	NYP2C-D0DDD	NYP2A-D0DDD		
Allowable power supply voltage range       20.4 to 28.8 VDC         Grounding method       Ground to less than 100 Ω         Inrush current       At 24 VDC: 12 A / 6 ms max. for cold start at room temperature         Overvoltage category       Meets IEC 61010-2:201: Category II         EMC immunity level       IEC 61131-2: Zone B         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 25°C: -3.5 to +1.5 min error per month         Power button life       100,000 operations         Battery life       10 years at 40°C       Syears at 25°C (for battry CJ1W-BAT01)       10 years at 40°C         Fan life       0 years at 40°C       Syears of continuous ontinuous ontinuous micluding drives and expansions       84 W       66 W       116 W       76 W 99 W #2       58 W 80 W #2       57 W 79 W #2         Maximum power consumption including drives and expansions       84 W       66 W       118 W       76 W 99 W #2       58 W #2       57 W 79 W #2         Maximum power consumption iscluding drives and expansions       84 W       66 W       118 W 125 W #2       13 W 84 W #2       65 W #2       64 W #2         Maximum power consumption iscluding drives and expansions       84 W       66 W       118 W 125 W #2       14 W #2       65 W #2       64 W #2       64 W #2       64 W #2 </th <th>PU type</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Intel<sup>®</sup> Atom<sup>®</sup> x5-E3940</th>	PU type							Intel <sup>®</sup> Atom <sup>®</sup> x5-E3940		
Grounding method       Ground to less than 100 Ω         Inrush current       At 24 VDC: 12 A / 6 ms max. for cold start at room temperature         Overvoltage category       Meets IEC 61010-2-201: Category II         EMC immunity level       IEC 61131-2: Zon B         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 25°C: -3.5 to +1.5 min error per month At ambient temperature of 0°C: -3 to +1 min error per month         Power button life       10 years at 40°C       5 years at 25°C (for battery CJ1W-BATOT)       10 years at 40°C         Fan life       10 years at 40°C       8 years of continuous operations       10 years at 40°C       -       -         Maximum power consumption *1       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	ated power sup	pply voltage	24 VDC, non-isolated							
Inrush current       At 24 VDC: 12 A / 6 ms max. for cold start at room temperature         Overvoltage category       Meets IEC 61010-2-201: 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         Power button life       100,000 operations       5 years at 25°C (for battery CJ1W-BAT01)       10 years at 40°C         Fan life       n       -       -       8 years of continuous operation at 40°C       -       -       -         Maximum power consumption excluding drives and expansions       84 W       66 W       116 W 140 W *2       76 W 99 W *2       80 W *2       77 W 79 W *2         Interver       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	lowable power	er supply voltage range	20.4 to 28.8 VDC							
Overvoltage category       Meets IEC 61010-2-201: 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       5 years at 25°C (for battery CJIW-BAT01)       10 years at 40°C         Fan life       0       9       9       2       8 W       66 W       116 W 140 W *2       98 W *2       88 W 80 W *2       57 W 79 W *2         Maximum power consumption excluding drives and expansions       84 W       66 W       116 W 140 W *2       76 W 99 W *2       88 W 80 W *2       77 W 79 W *2         Maximum power consumption excluding drives and expansions       61 W       43 W       101 W 125 W *2       61 W       43 W       64 W *2       64 W *2         Drives       -       -       -       -       -       -         HDD 500 GB       2 W       -       -       -       -       -         SSD SLC 64 GB       2 W       -       -       -       -       -         SSD MLC 128 GB       2 W       -       -       -       -	ounding metho	hod	Ground to less that	n 100 Ω						
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 0°C: -3 to +1.5 min error per month         Power button life       100,000 operations         Battery life       10 years at 40°C       5 years at 25°C (for battery Operation at 40°C       10 years at 40°C         Fan life       -       -       -       8 years of continuous operation at 40°C       -       -       -         Maximum power consumption including drives and expansions       84 W       66 W       116 W 140 W *2       76 W 99 W *2       58 W 80 W *2       57 W 79 W *2         Maximum power consumption excluding drives and expansions       61 W       43 W       101 W 125 W *2       61 W       43 W       22 W         HDD 520 GB       2 W       -       -       -       -         SSD SLC 32 GB       2 W       -       -       -         SSD SLC 32 GB       2 W       -       -         SSD SLC 64 GB       2 W       -       -       -         SSD MLC 128 GB       2 W       -       -	rush current		At 24 VDC: 12 A /	6 ms max. for cold s	start at room tempera	ature				
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         Battery life       10 years at 40°C       5 years at 25°C (for battery CJ1W-BAT01)       10 years at 40°C         Fan life       -       -       -       84 w       66 W       116 W 140 W *2       76 W 99 W *2       58 W 80 W *2       57 W 79 W *2         Maximum power consumption including drives and expansions       84 W       66 W       116 W 140 W *2       61 W 84 W *2       43 W 65 W *2       43 W 65 W *2       42 W 65 W *2       42 W 65 W *2         Maximum power consumption excluding drives and expansions       61 W       43 W       101 W 125 W *2       61 W 84 W *2       43 W 65 W *2       42 W 64 W *2         Drives       -       -       -       -       -       -       -       -         HDD 320 GB       2 W       -       -       -       -       -       -       -       -         SD SLC 32 GB       2 W       -       -       -       -       -       -       -       -         SD SLC 64 GB       2 W       -       -       -       -       -       -       -       <	vervoltage cate	tegory	Meets IEC 61010-	2-201: Category II						
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         5 years at 25°C (for battery CJ1W-BAT01)       10 years at 40°C         Battery life       10 years at 40°C         Fan life       -       S years of continuous operation at 40°C       -         Maximum power consumption including drives and expansions       84 W       66 W       116 W 140 W ±2       76 W 99 W ±2       58 W 80 W ±2       57 W 79 W ±2         Maximum power consumption excluding drives and expansions       61 W       43 W       101 W 125 W ±2       61 W 84 W ±2       66 W ±2       76 W 99 W ±2       58 W 80 W ±2       57 W 80 W ±2       79 W ±2         Maximum power consumption excluding drives and expansions       61 W       43 W       101 W 125 W ±2       61 W ±2 W 84 W ±2       64 W ±2         Prives       -         HDD 320 GB       2 W       -         SSD SLC 32 GB       2 W       -         SSD SLC 64 GB       2 W       -         SSD MLC 128 GB       2 W       -	AC immunity le	level	IEC 61131-2: Zone	эB						
Battery life10 years at 40°C5 years at 25°C (for battery CJ1W-BAT01)10 years at 40°CFan life $  8$ years of continuous operation at 40°C $  -$ Power consumption *1 $       -$ Maximum power consumption including drives and expansions84 W $66$ W $116$ W $140$ W *2 $76$ W 99 W *2 $58$ W $80$ W *2 $57$ W $79$ W *2Maximum power consumption excluding drives and expansions $61$ W $43$ W $101$ W $125$ W *2 $61$ W $84$ W *2 $42$ W $65$ W *2Indext drives $    -$ HDD 320 GB HDD 500 GB SSD SLC 32 GB SSD SLC 64 GB SSD SLC 64 GB SSD SLC 128 GB $2$ W $  -$ SSD SLC 128 GB SSD MLC 128 GB $2$ W $   -$	FC accuracy		At ambient temper	ature of 25°C: -1.5 t	to +1.5 min error per	month				
Battery life10 years at 40°C10 years at 40°CFan life9 wears of continuous operation at 40°C-Power consumption including drives and expansions84 W66 W116 W 140 W *258 W 99 W *258 W 80 W *257 W 79 W *2Maximum power consumption excluding drives and expansions61 W43 W64 W *2Maximum power consumption excluding drives and expansions61 W43 W 25 W *261 W 84 W *261 W 84 W *264 W *2HDD 320 GB HDD 500 GB 2 W2 W-HDD 1TB SSD SLC 32 GB SSD SLC 64 GB SSD MLC 128 GB2 W-SSD MLC 128 GB SSD MLC 128 GB2 W-	ower button life	fe	100,000 operations	S						
Fan lifecontinuous operation at 40°CPower consumption *1Maximum power consumption including drives and expansions84 W66 W116 W 140 W *276 W 99 W *258 W 80 W *257 W 79 W *2Maximum power consumption excluding drives and expansions61 W43 W101 W 125 W *261 W43 W 65 W *242 W 64 W *2DrivesHDD 320 GB2 WHDD 500 GB2 WHDD 1 TB2 WSSD SLC 32 GB2 WSSD SLC 46 GB2 WSSD MLC 128 GB2 WSSD MLC 128 GB2 WMaximum power consumption excluding drives and expansions2 WBase of the second constraint of the	Battery life		10 years at 40°C		(for battery	10 years at 40°C				
Maximum power consumption including drives and expansions         84 W         66 W         116 W 140 W *2         76 W 99 W *2         58 W 80 W *2         57 W 79 W *2           Maximum power consumption excluding drives and expansions         61 W         43 W         101 W 125 W *2         61 W         43 W         42 W 65 W *2         42 W 65 W *2         42 W 64 W *2           Drives         -           HDD 320 GB         2 W         -           HDD 500 GB         2 W         -           HDD 1 TB         2 W         -         -           SSD SLC 32 GB         2 W         -           SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -	Fan life		_	_	continuous	-	_	_		
Including drives and expansions         84 W         66 W         140 W *2         99 W *2         80 W *2         79 W *2           Maximum power consumption excluding drives and expansions         61 W         43 W         101 W         61 W         43 W         42 W           Drives         -           HDD 320 GB         2 W         -           HDD 500 GB         2 W         -           HDD 1 TB         2 W         -           SSD SLC 32 GB         2 W         -           SSD SLC 43 GB         2 W         -           SSD MLC 128 GB         2 W         -	Power consumption *1									
excluding drives and expansions         61 W         43 W         125 W *2         84 W *2         65 W *2         64 W *2           Drives         -           HDD 320 GB         2 W         -         -           HDD 500 GB         2 W         -         -         -           HDD 1 TB         2 W         -         -         -           SSD SLC 32 GB         2 W         -         -         -           SSD SLC 64 GB         2 W         -         -         -           SSD MLC 128 GB         2 W         -         -         -			84 W	66 W				••••		
HDD 320 GB         2 W         -           HDD 500 GB         2 W         -           HDD 1 TB         2 W         -           SSD SLC 32 GB         2 W         -           SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -			61 W	43 W		• · · ·				
HDD 500 GB         2 W         -           HDD 1 TB         2 W         -           SSD SLC 32 GB         2 W         -           SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -	Drives					_				
HDD 1 TB         2 W         -           SSD SLC 32 GB         2 W         -           SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -	HDD 3	320 GB	2 W		-					
SSD SLC 32 GB         2 W         -           SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -	HDD 5	500 GB	2 W		-					
SSD SLC 64 GB         2 W         -           SSD MLC 128 GB         2 W         -	HDD 1	1 TB	2 W		-					
SSD MLC 128 GB 2 W -	SSD S	SLC 32 GB	2 W		-					
	SSD S	SLC 64 GB	2 W		-					
	SSD N	MLC 128 GB	2 W		-					
SSD MLC 500 GB 3 W -	SSD M	MLC 500 GB	3 W				_			
CFast MLC 64 GB – 1 W	CFast	st MLC 64 GB		-	1 W					
CFast MLC 128 GB – 1 W	CFast	CFast MLC 128 GB		-	1 W					
CFast MLC 256 GB – 1 W	CFast	st MLC 256 GB		_	1 W					
Expansions _	Expansions	ns				-				
USB 14 W max. ((2 x 500 mA at 5 V) + (2 x 900 mA at 5 V))	USB	l	14 W max. ((2 x 50	00 mA at 5 V) + (2 x	900 mA at 5 V))					
PCIe 5 W max. 5 W max. –	PCle	)	5 W max.	5 W max.			-			

Note: Refer to the Industrial Panel PC User's Manual (W555) for detail.

**\*1.** The total power consumption is the sum of the power consumption of all items that are installed in your Industrial Box PC. **\*2.** The upper number is for the 12.1 and 15.4 inch models, and the lower number is for the 18.5 inch models.

To guarantee S8BA UPS operation in combination with our IPC, the specified combination of UPS and power-supply must be used

Item		NYP27	NYP35 / NYP2C / NYP2A
Minimum power requirements	Power supply	240 W	120 W
	UPS	240 W	120 W

### **Components and functions**

The intent behind our IPC platform is to empower engineers to become unstoppable in developing machines and factories that are better, faster and safer by giving them the freedom and flexibility to explore the opportunities provided by modern IT. In line with Omron's traditional quality standards, the Industrial Panel PC is designed to meet the demands of industrial users for maximum robustness and reliability.

#### **Powerful CPU options**

Three powerful CPU options provide high performance for various applications.

#### Fanless cooling for multiple CPU types

The Industrial Panel PC has passive cooling for multiple CPU types which means no moving parts and less maintenance effort.

#### Easy access to storage devices and the PCI Express Card

Adding or changing storage devices (HDD, SSD) and the PCI Express Card is fast and simple.

LED indicators



DVI-I video interface 3 1Gbps Ethernet ports Built-in IO 4 USB ports Built-in SD Memory Card slot LCD touchscreen

Multi-touch functionality Up to 5 simultaneous touches are supported for complex functions.

### **Environmental Specifications**

Item		Specifications
	Ambient operating temperature *1	0 to 55°C
	Ambient storage temperature *1	-20 to 70°C
	Ambient operating humidity *1	10% to 90% with no condensation
	Ambient storage humidity *1	10% to 90% with no condensation
	Operating atmosphere	No corrosive gases
	Altitude	2,000 m max.
Operation	Noise resistance (during operation)	Conforms to IEC61000-4-4, 2kV (power lines)
environment	Vibration resistance (during operation)	<ul> <li>The vibration resistance depends on the storage device(s):</li> <li>For a Panel PC with only SSD storage devices: 5 to 8.4 Hz with 3.5 mm single amplitude and 8.4 to 150 Hz with 9.8 m/s<sup>2</sup> for 10 times each in X, Y and Z directions. Conforms to IEC 60068-2-6.</li> <li>For a Panel PC with one or more HDD storage devices the Panel PC must be installed in a vibration free environment. *2</li> </ul>
	Shock resistance (during operation)	Conforms to IEC 60068-2-27. 147 m/s <sup>2</sup> , 3 times in each X, Y and Z directions
	Installation method	Mount on panel
	Degree of protection	Front of Monitor: IP65 *3
	Pollution degree	2 or less: Meets IEC 61010-2-201.
Applicable standards *4		EU Directives: EMC Directive 2014/30/EU (EN 61131-2) and RoHS Directive KC Registration, RCM, cULus, EAC

\*1. The allowed ambient operating temperature and ambient humidity depend on product type, CPU type, mounting orientation, and storage device type.

\*2. A Panel PC with one or more HDD storage devices should not be used in applications subject to vibration. Examples of applications subject to vibration:

- AGV (Automated Guided Vehicles)
- Rail vehicle
- Stacker crane
- Elevator
- Tableting machine
- Connector pin assembling machine
- Bending machine

Ensure your Panel PC with HDD does not vibrate. When in doubt use a Panel PC with SSD storage devices.

\*3. The Panel PC may not operate properly in locations subjected to oil splashes for extended periods of time.

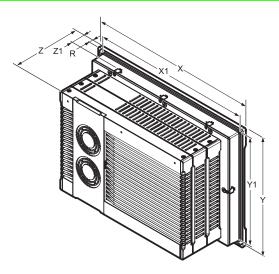
\*4. Refer to the OMRON website (www.ia.omron.com) or contact your OMRON representative for the most recent applicable standards for each model.

## **Storage Device Specifications**

Item	Specificatio						ations						
Model	NY000- AS00	NY000- AS01	NY000- AS03	NY000- AS04	NY000- AS05	NY000- AS07	NY000- AS08	NY000- AH00 *1	NY000- AH01 *1	NY000- AH02 *1	NY000- AT00	NY000- AT01	NY000- AT02
Capacity	32 GB	64 GB	64 GB	128 GB	500 GB	1 TB	256 GB	320 GB	500 GB	1 TB	64 GB	128 GB	256 GB
Туре	SSD (SLC	C)	SSD (SLC)	SSD (MLC)	SSD (MLC)	SSD (3DTLC)	SSD (MLC)	HDD	HDD	HDD	CFast (MLC)	CFast (MLC)	CFast (MLC)
S.M.A.R.T. support	Yes		1						1	1			
Rotation speed	-	-	-	-	-	-	-	5,400 r/min			-	-	-
Interface	Serial ATA	A 3.1			r.			Serial ATA	3.0		Serial ATA	3.1	
Sustained standard read speed	Up to 160 MB/s	Up to 160 MB/s	Up to 500 MB/s	Up to 530 MB/s	Up to 415 MB/s	Up to 550 MB/s	Up to 530 MB/s	_	-	-	Up to 530 MB/s	Up to 530 MB/s	Up to 530 MB/s
Sustained standard write speed	Up to 145 MB/s	Up to 150 MB/s	Up to 370 MB/s	Up to 190 MB/s	Up to 200 MB/s	Up to 340 MB/s	Up to 210 MB/s	-	-	_	Up to 100 MB/s	Up to 190 MB/s	Up to 210 MB/s
Operating temperature	0 to 70°C	) to 70°C					5 to 55°C	5 to 55°C	0 to 60°C	-40 to 85°	С		
Operating humidity	10% to 95 (with no condensa		10% to 85% (with no condens ation) 10% to 95% (with no condensation)			8% to 90% (with no condensation)			10% to 95% (with no condensation)				
Storage temperature	-40 to 100	0°C	-45 to 90°C	-55 to 95°	С			-40 to 65°C	;	-55 to 95°C			
Storage humidity	10% to 95% (with no condensation)					8% to 90% (with no condensation) (with no condensation)			10% to 95% (with no condensation)				
Life	1,500 TB written	3,000 TB written	1900 TB written	208 TB written	154 TB written	1000 TB written	416 TB written	hours (whic comes first) following cc • 25°C at • Less tha powered month * • Less tha operation powered	owered-ON thever 0 under the 0 nditions: 101.3 kPa n 333 -ON hours/ 2 n 20% n while -ON *3 n 1.30 x 106	Average Annualized Failure Rate (AFR): 0.50% Under the following conditions: • Case Temperatu re 40°C • Power on Hours (POH) $\leq$ 3120	125 TB written	208 TB written	417 TB written

Note: Orders for NY000-AS02 are no longer accepted, as of November 30, 2018. **\*1.** For a Panel PC with an HDD: this device can only be installed in a vibration free environment only. (NYP) **\*2.** Powered-ON hours include sleep and standby modes. **\*3.** Operation includes seeking, writing, and reading functions.

## Dimensions



	Panel							
	12.1 Inch							
Item	NYP35-□1□□□ NYP2C-□1□□□	NYP27-00-0	NYP35-=00==== NYP2C-=00==== NYP2A-==0====					
Panel preparation dimensions	Cutout Width X1 = $314^{-0+1}$ mm Cutout Height Y1 = $216^{-0+1}$ mm							
Panel thickness range *	Panel thickness range Z1 = 1.6 to 6.0	Panel thickness range Z1 = 1.6 to 6.0 mm						
Dimensions	Width X = 332 mm Height Y = 234 mm Depth Z = 105 mm	Width X = 332 mm Height Y = 234 mm Depth Z = 87 mm	Width X = 332 mm Height Y = 234 mm Depth Z = 71 mm					
Monitor thickness in front of panel	Rim thickness R = 8.0 mm	Rim thickness R = 8.0 mm						
Weight	5.6 kg 5.1 kg 4.7 kg							

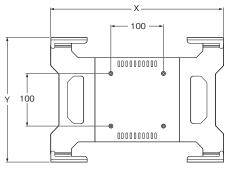
	Panel								
	15.4 Inch								
Item	NYP35-01000 NYP2C-01000	NYP27-000	NYP35-0000 NYP2C-00000 NYP2A-00000						
Panel preparation dimensions	Cutout Width X1 = $383^{-0+1}$ mm Cutout Height Y1 = $259^{-0+1}$ mm								
Panel thickness range *	Panel thickness range Z1 = 1.6 to 6.0	mm							
Dimensions	Width X = 401 mm Height Y = 277 mm Depth Z = 105 mm	Width X = 401 mm Height Y = 277 mm Depth Z = 87 mm	Width X = 401 mm Height Y = 277 mm Depth Z = 71 mm						
Monitor thickness in front of panel	Rim thickness R = 8.0 mm								
Weight	6.6 kg	6.0 kg	5.6 kg						

	Panel					
	18.5 Inch					
Item	NYP27-0000	NYP35-00-00 NYP2C-00-00 NYP2A-00-00				
Panel preparation dimensions	Cutout Width X1 = $463^{-0+1}$ mm Cutout Height Y1 = $285^{-0+1}$ mm					
Panel thickness range *	Panel thickness range Z1 = 1.6 to 6.0	to 6.0 mm				
Dimensions	Width X = 481 mm Height Y = 303 mm Depth Z = 87 mm	Width X = 481 mm Height Y = 303 mm Depth Z = 71 mm				
Monitor thickness in front of panel	Rim thickness R = 8.0 mm					
Weight	7.2 kg	6.6 kg				

\* The minimum panel thickness depends on the panel material.

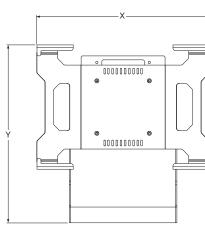
## **Bracket Specifications**

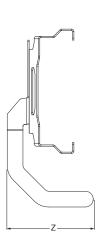
### Without handle





#### With handle NY000-AB12





		Bracket type Bracket ID	Without handle			With handle NY000-AB12		
Model	Bracket type		Bracket width X	Bracket height Y	Bracket depth Z	Bracket width X	Bracket height Y	Bracket depth Z
NYP35-00000-12WC NYP2C-00000-12WC NYP2A-00000-12WC	Vesa mount	NY000-AB06	328 mm	237 mm	86 mm	328 mm	339 mm	164 mm
NYP35-00000-15WC NYP2C-00000-15WC NYP2A-00000-15WC	Vesa mount	NY000-AB07	397 mm	280 mm	86 mm	397 mm	381 mm	164 mm
NYP35-00-0	Vesa mount	NY000-AB08	478 mm	306 mm	83 mm	478 mm	409 mm	164 mm
NYP35	Vesa mount	NY000-AB09	328 mm	237 mm	118 mm	328 mm	339 mm	164 mm
NYP35-0100-15WC NYP2C-0100-15WC NYP27-0000-15WC	Vesa mount	NY000-AB10	397 mm	280 mm	118 mm	397 mm	381 mm	164 mm
NYP27-0000-19WC	Vesa mount	NY000-AB11	478 mm	306 mm	98 mm	478 mm	409 mm	164 mm

## **Recommended Related Products**



Industrial Box PC NY-series

The Industrial Box PC is designed to meet the specific needs of the industrial environment. Design simplification and future-proof architecture minimize the risk of failure.



#### Industrial Monitor NY-series

The Industrial Monitor is of key importance at the interface between operator and system. The Industrial Monitor is efficient, effective and highly visible with an attractive design.



#### UPS S8BA-series

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

## **Related Manuals**

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

Manual name	Cat. No.	Model numbers	Application	Description
Industrial Box PC User's Manual	W553	NYB1E	Learning all basic information about the Industrial Box PC. This includes introductory information with features, hardware overview, software overview, specifications, mounting, wiring, connecting, operating and maintaining the Industrial Box PC.	An introduction to the Industrial Box PC is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
NY-Series Industrial Box-PC without OS User's Manual	W586	NYB1E1 NYB27 NYB350 NYB2C0	Learning about the Omron Industrial PC functionality without an installed Operating System	An introduction to the Industrial Box PC is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
Industrial Monitor User's Manual	W554	NYM19W-C1 NYM15W-C10 NYM12W-C10	Learning all basic information about the Industrial Monitor. This includes introductory information with features, hardware overview, specifications, mounting, wiring, connecting, operating and maintaining the Industrial Monitor.	An introduction to the Industrial Monitor is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
Industrial Panel PC User's Manual	W555	NYP27- NYP27- NYP27- NYP27- NYP35- NYP35- NYP35- NYP35- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NYP2C- NY	Learning all basic information about the Industrial Panel PC. This includes introductory information with features, hardware overview, software overview, specifications, mounting, wiring, connecting, operating and maintaining the Industrial Panel PC.	An introduction to the Industrial Panel PC is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
NY-Series Industrial Panel-PC without OS User's Manual	W587	NYP35-000-15WC100 NYP35-000-12WC100 NYP2C-000-15WC100 NYP2C-000-12WC100 NYP35-000-19WC100 NYP2C-000-19WC100	Learning about the Omron Industrial PC functionality without an installed Operating System	An introduction to the Industrial Panel PC is provided along with the following information: • Overview • Hardware • Software • Specifications • Installation • Operating Procedures • Maintenance
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
NY-series Operating Systems and Software Utilities Manual	W616	NYB==-=== NYP==-===	Learning all software related information about the Industrial Box PC. This includes introductory information, installation, operating procedures and maintenance. Mainly software information is provided.	An introduction to the Box PC is provided along with the following information: • Overview • Software • Specifications • Installation • Operating Procedures • Maintenance

#### 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 warrantv.

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.

2022.3

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

**OMRON** Corporation Industrial Automation Company

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