

**Programmable Terminal** 

# **NV Series**

## **Compact and Simple, Extremely High Cost Performance**



realrzing

# The Best PT for Package PLCs — NV

The NV Series of compact Programmable Terminals meet the basic needs for enhanced visibility, simplicity, and cost, and they go even further to provide superior PLC compatibility, easy operation, and cost performance.

## Visibility **Beautiful, Easy-to-understand Displays**

## Instantly know the system status It is obvious in three color LED backlight

The monochrome models provide three backlight colors to perform status displays.For example, use green for normal



## **Easy Visual Recognition** True Type Fonts for Flexible Screen Designs

You can use True Type fonts in a wide range of sizes from 10 to 240 dots to flexibly design beautiful screens. \* The maximum font size depends on the model.

True Type Fonts You can select the best Windows® the desired emphasize screen

MSGoth, MSPGoth, MS Serif Arial Courier New Any size of many Windows Fonts Can be Used

......

210

1 2

START

12 0

STOP

0

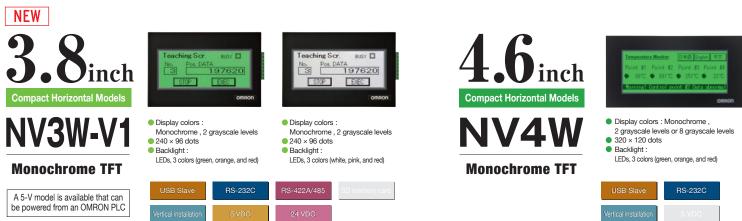
Line A Progress Mon

Wash

Cut

Pack

## Variation A Lineup of 14 Models That Form a New Standard for Small





66

# stands for the three benefits

Value	Easy design work and superior PLC compatibility
Visiblity	Beautiful, easy-to-understand displays
Variation	A lineup of ten 3-inch models for easy selection



# **Easy Designing**

The slim design of NV-series PTs requires very little installation space.

## Vertical Installation

Value

The PT can be installed vertically to enable more applications. This enables more flexible designs.



## Global Application Multi-language Support and Safety Standard Compliance

You can switch parts labels and languages. Record up to sixteen character strings in different languages and change all labels at the same time. Switching the language during operation is also very easy. International safety standards have also been met so that you can easily export equipment or transport equipment overseas.



## Handle Devices from Various Manufacturers Global Multivendor Support

You can connect the PT to OMRON or Mitsubishi Electric PLCs or to PLCs from many other global manufacturers. This lets you connect the NV-series PTs without changing the PLC. You can easily use a different PLC manufacturer for each project.



OMRON, Mitsubishi Electric, Keyence, Hitachi, Allen-Bradley, Siemens, etc.

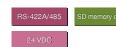
PTs

The lineup includes compact and horizontal models from 3.8-inch to 4.6-inch and QVGA models. Select the size and price that are best for each system.



Display colors : Monochrome ,

- 2 grayscale levels or 8 grayscale levels • 320 × 120 dots
- Backlight :
- LEDs, 3 colors (white, pink, and red)

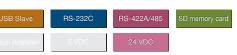






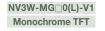


Display colors : 4096 colors
320 × 240 dots
Backlight : White LED



# **Easy Connection to External Devices**





Data required for

operation is backed up

NV3W-MR 0(L)-V1 Monochrome TFT



### **Battery-free Operation**

Internal Storage of Required Data in the PT An NV-series PT can be operated without a battery.

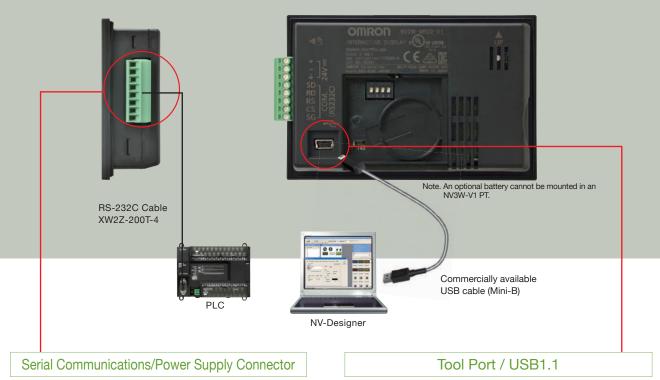
No maintenance battery is required.

- Data Backed Up without a Battery
- NV Configuration Recipes
- · Base Screens
- · Write Address Data Keyboard Screens
  - · Flow Display Data

## Screen Conversion

The NV-Designer version 2.0 or higher provides the function to convert NV3W screens into NV3W-V1 screens.

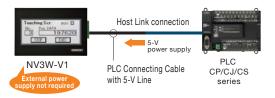
Resource Report	(の本自己)略略を	New NV Model
Base Screen Memory Usage NV-Designer Configuration	<b>6</b> (\$	NV3W-V1
Convert	PLC Model Convert	
Replace Fixed (NV-Designer) Font	NV Model Convert	(240(W) x 96(H) ) Monochrome



#### Compatibility Supply Power from the PLC NV3W-V1 Only

With 5-V NV3W-V1 models, 5-V can be supplied from the PLC via the PLC Connecting Cable. This reduces wiring work and eliminates the need for a special power supply for the PT.

#### Supplying 5-V from the PLC

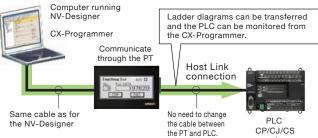


\*An XW2Z-200T-4 PLC Connecting Cable is required to supply power from the PLC. \*With 24-V PTs, power must be supplied from an external power supply.

### **Transfer Ladder Programs and** PT Screens without Changing the Cable

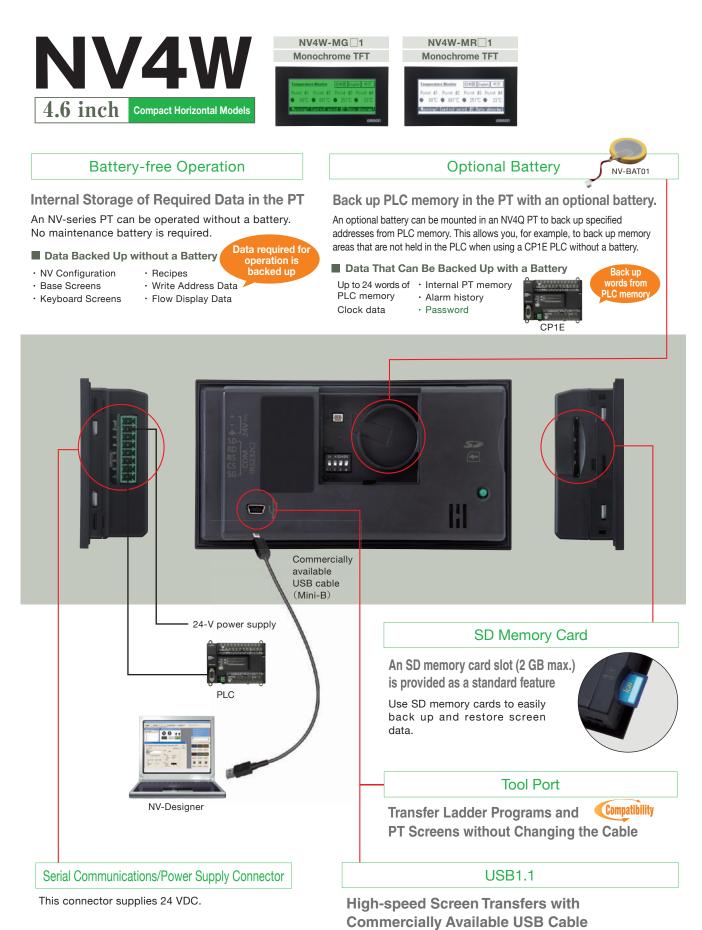


Ladder programs can be transferred, debugged, or monitored for an OMRON PLC from the CX-Programmer running on a computer connected to the NV-series PT while communicating through the NV-series PT.

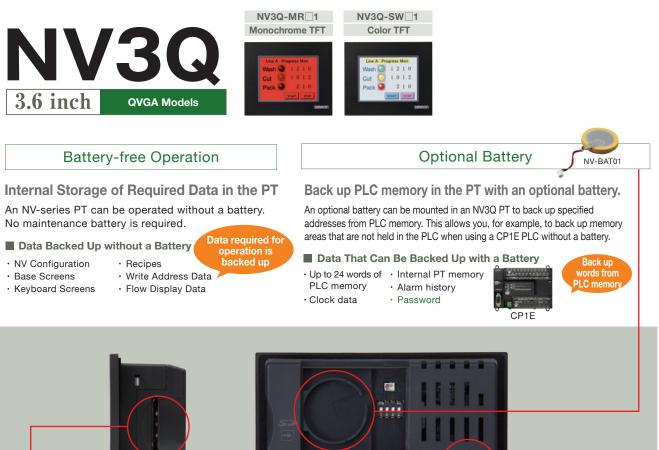


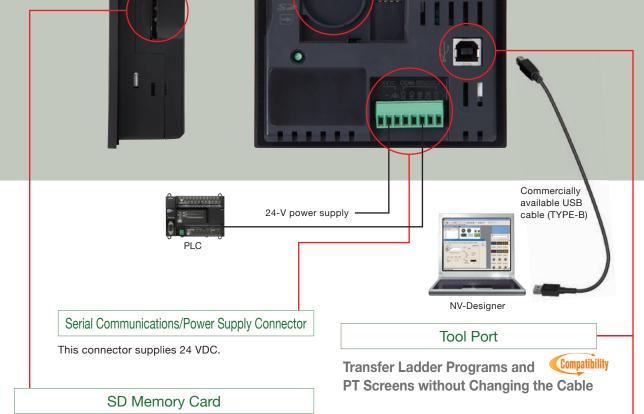
\*Refer to Support Software on page 7 for applicable versions of the CX-One

# for Easy Maintenance



A USB interface is provided to effectively use computer software environments.Screens that are created on the computer can be quickly transferred to the PT using a commercially available USB cable (Mini-B).





An SD memory card slot (2 GB max.)\* is provided as a standard feature

Use SD memory cards to easily back up and restore screen data.

\*The capacity of the SD memory card is 32 MB to 1 GB for PT system program version 1.0  $\square$  .



## USB1.1

High-speed Screen Transfers with Commercially Available USB Cable

A USB interface is provided to effectively use computer software environments.Screens that are created on the computer can be quickly transferred to the PT using a commercially available USB cable (TYPE-B).

# Programmable Terminals NV-Series

## Compact and Simple, Extremely High Cost Performance

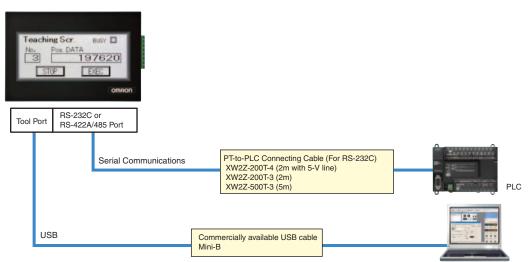
- The lineup includes compact and horizontal models from 3.8-inch to 4.6-inch and QVGA models.
- Trur Type Fonts for Flexible Screen Designs.
- Space-saving Installation.
- Multi-language Support and Safety Standard Compliance.



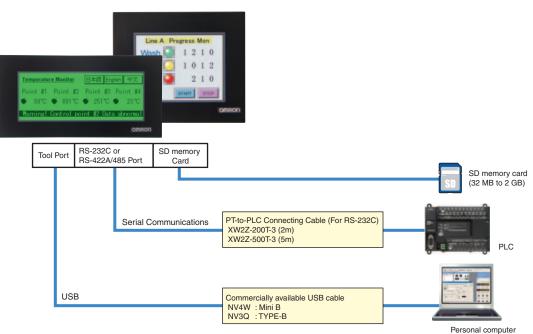
Personal computer

## **System Configuration**

## NV3W-V1



## NV4W/NV3Q



Windows is either registered trademarks or trademarks of Microsoft Corporation in the United Status and/or other countries. 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. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.

## **NV-series**

## **Ordering Information**

#### **Programmable Terminals**

Due due traces		Specifications			Madal		
Product name Screen size		Number of dot	Number of dot Communications Power supply voltage Ba		Backlight	Model	
3.8-in, TFT monochrome		RS-232C	5 VDC	LEDs. 3 colors	NV3W-MG20L-V1		
	$240\times96 \;dots$	RS-232C	24 VDC	(green, orange, and	NV3W-MG20-V1		
			RS-422A/485	24 VDC	red)	NV3W-MG40-V1	
NV3W-V1			RS-232C	5 VDC	LEDs, 3 colors	NV3W-MR20L-V1	
3.8-in, TFT monochrome	$240 \times 96 dots$	RS-232C	24 VDC	(white, pink, and red)	NV3W-MR20-V1		
		RS-422A/485	24 VDC		NV3W-MR40-V1		
4.6-in, TFT monochrome	4 6-in TFT	6-in TET	RS-232C	24 VDC	LEDs, 3 colors	NV4W-MG21	
	320 × 120 dots	RS-422A/485	24 VDC	(green, orange, and red)	NV4W-MG41		
NV4W	4.6-in, TFT 320 × 120 dots	4 6-in TET		RS-232C	24 VDC	LEDs, 3 colors	NV4W-MR21
		RS-422A/485	24 VDC	(white, pink, and red)	NV4W-MR41		
	3.6-in, TFT	320 × 240 dots	RS-232C	24 VDC	LEDs, 3 colors	NV3Q-MR21	
mono	monochrome	(QVGA)	RS-422A/485	24 VDC	(white, pink, and red)	NV3Q-MR41	
NV3Q	3.6-in, TFT	320 × 240 dots	RS-232C	24 VDC		NV3Q-SW21	
	color	(QVGA)	RS-422A/485	24 VDC	White LED	NV3Q-SW41	

#### **Programming Devices**

Product name	Product name Specifications		Media	Model
FA Integrated Tool Package CX-One Lite Ver.4.⊡	CX-One Lite is a subset of the complete CX-One package that provides only the Support Software required for micro PLC applications. *1 CX-One Lite runs on the following OS. Windows XP (Service Pack 3 or higher, 32-bit version) / Windows Vista (32-bit/64-bit version) / Windows 7 (32-bit/64-bit version) / Windows 8 (32-bit/64-bit version) / Windows 8.1 (32-bit/64-bit version) / Windows 10 (32-bit/64-bit version) CX-One Lite Ver. 4. includes NV-Designer Ver.1.	1 license	DVD	CXONE-LT01D-V4
FA Integrated Tool Package CX-One Ver. 4.⊡	CX-One is a comprehensive software package that integrates the Support Software for OMRON PLCs and components. *2 CX-One runs on the following OS. Windows XP (Service Pack 3 or higher, 32-bit version) / Windows Vista (32-bit/64-bit version) / Windows 7 (32-bit/64-bit version) / Windows 8 (32-bit/64-bit version) / Windows 8.1 (32-bit/64-bit version) / Windows 10 (32-bit/64-bit version) CX-One Ver. 4.□ includes NV-Designer Ver.1.□.	1 license *3	DVD	CXONE-AL01D-V4

Note: 1. NV-Designer version 2.0 or higher is required to use the NV3W-V1.

NV-Designer version 1.0 or higher is required to use the NV3Q.

NV-Designer version 1.1 or higher is required to use the NV4W.

2. The CX-One and CX-One Lite cannot be simultaneously installed on the same computer.

**\*1.** CX-One Lite Ver.4. □ provides the following Support Software : Micro PLC Edition CX-Programmer Ver.9. □, CX-Integrator Ver.2. □, Switch Box Utility Ver.1. □, CX-Simulator Ver.1. □, CX-Drive Ver.2. □, CX-Designer Ver.3. □, NV-Designer Ver.1. □ or higher, CX-Thermo Ver.4. □, CX-ConfiguratorFDT Ver.1. □, Network Configurator Ver.3. □, and CX-Server Ver.4. □.

\*2. For details, refer to the CX-One Catalog (Cat. No : R134).

\*3. Multi licenses (3, 10, 30, or 50 licenses) and DVD media without licenses are also available for the CX-One.

### **Options (Sold separately)**

Product name		Specifications	Model		
PT-to-PLC Connecting Cable		For the NV3W with 5-V power (NV3W-MG20L-V1/MR20L-V1 only)	Length: 2m	XW2Z-200T-4 *1	
		For the NV3W-V1, NV4W, and NV3Q Length: 2m		XW2Z-200T-3	
		For the NV3W-V1, NV4W, and NV3Q	Length: 5m	XW2Z-500T-3	
Programming		For the NV3W	Length: 3m	NV-TOL-3M	
Device Connecting Cable	USB-Serial Conversion Cable	For the NV3W Use this Cable together with the NV-TOL-3M to connect to a USB connector on the computer. Note : The enclosed USB driver must be installed.		CS1W-CIF31	
Battery *2		For the NV4W and NV3Q		NV-BAT01	
		For the NV3W-V1, contains 10 sheets		NV3W-KBA04-V1	
Display Protective Sheets		For the NV4W, contains 10 sheets	NV4W-KBA04		
		For the NV3Q, contains 10 sheets	NV3Q-KBA04		
Attachment		NP3 Series to NV3Q Series		NV3Q-ATT02	

 Note: For NV3W-V1 and NV4W, use commercially available USB cable (Mini B). For NV3Q, use commercially available USB cable (TYPE-B).

 \*1. If the XW2Z-200T-4 Cable is used with the NV3W-V1, 5 V can be supplied from the CS/CJ/CP-series PLCs instead of from an external power supply. Refer to the NV-series PT Setup Manual (Cat.No V103) for details.

 \*2. Cannot be used for the NV3W-V1.

## **NV-series**

## **Specifications**

## **General Specifications**

Item			Specifications		
Model	NV3W-M20-V1/M40-V1	NV3W-M□20L-V1	NV4W-M_21/M_41	NV3Q-MR 1	NV3Q-SW□1
Rated power supply	24 VDC	5 VDC	24 VDC		
Operating voltage range	21.6 to 26.4 VDC	4.5 to 5.5 VDC	21.6 to 26.4 VDC		
Current consumption	1.9 W max. (80 mA max.)	1 W max. (200 mA max.)	1.7 W max. (70 mA max.)	2.4 W max. (100 mA max.)	3.6 W max. (150 mA max.)
Ambient operating temperature	0 to 50 °C				
Ambient operating humidity	20% to 85% (with no condensation)				
Ambient storage temperature	-20 to 60 °C				
Ambient storage humidity	10% to 85% (with no condensation)				
Dielectric strength	Between the power supply terminals and the case 500 VAC for 1 min with a cutoff current of 10 mA (at initial state)				
Insulation resistance	Between the power supply terminals and the case 100 M $\Omega$ (at 500 VDC) (at initial state)				
Vibration resistance	5 to 8.4 Hz, 3.5-mm single amplitude, 8.4 to 150 Hz, 9.8 m/s <sup>2</sup> , 10 times each in X, Y, and Z directions (1 octave/min)		5 to 9 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s <sup>2</sup> , 10 times each in X, Y, and Z directions (1 octave/min)	10 to 55 Hz with 0.75-amp Y, and Z directions, 1 swee	
Shock resistance	147m/s <sup>2</sup> 3 times each in X,	Y, and Z directions		98m/s <sup>2</sup> 4 times each in X, Y	Y, and Z directions
Noise immunity	1,000 Vp-p with pulse widths of 50 ns and 1 µs between power supply terminals (via simulator)				
Resistance to environment	Dust proof and drip proof o	ate), For NV3W-V1, NV4W nly from the front of the pan cking each time you reinsta	el (using Waterproof Packing	g at the contact surface with	the panel)
Battery life expectancy	-	-	Battery life expectancy: 5 y	rr (at 25 °C) *	Battery life expectancy: 3 yr (at 25 °C) *
Safety standards	UL 508, EC Directives and	KC	UL 508 and EC Directives	S	
Weight	170 g max.		240 g max.		210 g max.

\* The SRAM (internal RAM) is backed up by the battery. If backing up the data is required, purchase the NV-BAT01 Battery separately.

#### **Performance Specifications**

	Item	Specifications				
Model		NV3W-MGOC(L)-V1/MROC(L)-V1	NV4W-M_21/M_41	NV3Q-MR 1/ SW 1		
Display device		TFT monochrome LCD *8	TFT monochrome LCD *9	NV3Q-MR: TFT monochrome LCD *6 NV3Q-SW: TFT color LCD *7		
Number of dots $240 \times 96 \text{ dots } (H \times V)$			$320 \times 120 \text{ dots } (\text{H} \times \text{V})$	$320 \times 240 \text{ dots } (\text{H} \times \text{V})$		
Effective di	splay size	$88.5 \times 35.4 \text{ mm} (\text{H} \times \text{V})$	× 35.4 mm (H × V) 109 × 41 mm (H × V) 70.6 × 52.9 mm (H × V)			
Service Life	•	50,000 hours min. *1		1		
Backlights         NV3W-MG-V1 : LED backlights, 3 colors (green, orange, and red)         NV4W-MG : LED backlights, 3 colors (green, orange, and red)           NV3W-MR-V1 : LED backlights, 3 colors (white, pink, and red)         NV4W-MR : LED backlights, 3 colors (white, pink, and red)		(green, orange, and red)	NV3Q-MR: LED backlights, 3 colors (white, pink, and red) NV3Q-SW: LED backlight, 1 color (white)			
	Method	Analog resistive membrane type	l			
	Operating force	0.8 N max.				
Touch switches		100 million operations min. (at 25 °C)				
Switches	Switches	50 max. per screen *2 100 max. per screen *2				
	Size	8 dots × 8 dots min. *3				
External memory – Manufacture		SD memory card (32 MB to 2 GB) *4 Manufacturers for which operation has bee SD standard *5	en confirmed: Panasonic			
Host communic ations	COM Port	NV3W-M□20(L)-V1 : RS-232C (not isolated), Transmission distance: 15 m, Connector : 8-pin NV3W-M□40-V1 : RS-422A/485 (not isolated), Transmission distance: 500 m, Connector : 8-pin	NV4W-M□21:         RS-232C (not isolated), Transmission         distance: 15 m, Connector:8-pin         NV4W-M□41:         RS-422A/485 (not isolated),         Transmission distance: 500m,         Connector: 8-pin	NV3Q-□21 :         RS-232C (not isolated), Transmission         distance: 15 m, Connector: 8-pin         NV3Q-□41 :         RS-422A/485 (not isolated),         Transmission distance: 500 m,         Connector: 8-pin		
Support Software communic ations	USB port	USB 1.1 Mini-B, Transmission distance: 5 m max.		USB 1.1 TYPE-B, Transmission distance: 5 m max.		
Applicable Software	Support	NV-Designer version 2.0 or higher (NV-Designer can be upgraded to version 2.0 by using the CX-One Auto-update.)	NV-Designer version 1.1 or higher (Included with CX-One version 4.03 or in CX-One Lite version 4.03.)	NV-Designer version 1.0 or higher (Included with CX-One version 3.2 or in CX-One Lite version 4.0.)		

\*1. This is the estimated time before brightness is reduced by half at room temperature and humidity. It is not a guaranteed value.

\*2. The estimate applies to operation when only custom switches are placed on the screen.

\*3. This value does not include 1-dot box of frame line.

\*4. The capacity of the SD memory card is 32 MB to 1 GB for PT system program version 1.0 .

 \*5. SD memory cards are shipped pre-formatted from the factory, so there is normally no need to format them. If an SD memory card is formatted with the standard formatting utility provided with a personal computer, its file system will not conform to the SD memory card standard. Always use the formatting software provided by SD memory card makers.

\*6. The display device of NV3Q-MR□1 of the Lot No. 160430 or earlier is STN, and the Lot No. 160501 or later is TFT.

**\*7.** The display device of NV3Q-SW□1 of the Lot No. 110999 or earlier is STN, and the Lot No. 111000 or later is TFT. **\*8.** The display device of NV3W-MG□\_(L)-V1/MR□\_(L)-V1 of the Lot No. 161231 or earlier is STN, and the Lot No. 170101 or later is TFT.

\*9. The display device of NV4W-M 21/M 41 of the Lot No. 170221 or earlier is STN, and the Lot No. 170222 or later is TFT.

10

## **NV-series**

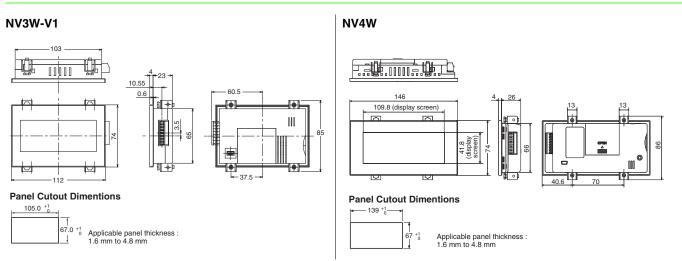
(Unit: mm)

## **Applicable PLCs**

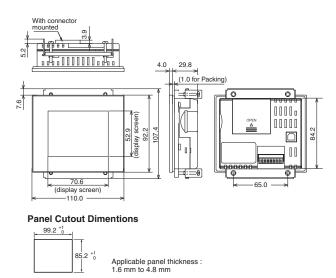
Company	Series	Company	Series
OMRON	CP Series	Mitsubishi Electric	FX Series
OMRON	CJ Series	Mitsubishi Electric	Q Series
OMRON	CS Series	Mitsubishi Electric	A Series
OMRON	C Series	Panasonic Electric Works	FP Series
OMRON	CVM1/CV Series	Toshiba Machine	TC mini Series
OMRON	Temperature Controllers EJ1 Series	Keyence	KV Series, KV Nano Series
Yokogawa Electric	FA-M3 Series	Allen-Bradley Models that support DF protocol	MicroLogix
Hitachi	EH-150EHV Series	Allen-Bradley Models that support DF protocol	SLC-500 Series
Hitachi	EH150 Series	Siemens	S7-200 Series
Hitachi	MICRO-EH Series	LG	MASTER-K Series
Hitachi	Web Controller	Modbus	Models that support RTU protoco

Note: Refer to "NV Series Programmable Terminals Host Connection Manual (Cat.No V105)" which is included in NV-Designer for information on combination use with each PLC Series.

## Dimensions



### NV3Q



## **Related Manuals**

Cat. No	Model	Name
V103	NV3W-V1, NV4W, NV3Q	NV Series Programmable Terminals Setup Manual
V104	NV3W-V1, NV4W, NV3Q, NV-Designer	NV Series Programmable Terminals Programmig Manual
V105	NV3W-V1, NV4W, NV3Q	NV Series Programmable Terminals Host Connection Manual

#### 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.

#### Warranty and Limitations of Liability

#### WARRANTY

(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.

#### LIMITATIONS OF LIABILITY

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.

### **Application Considerations**

#### SUITABILITY FOR 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.

#### Disclaimers

#### 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.

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

#### **OMRON** Corporation **Industrial Automation Company** Tokyo, JAPAN

Contact: www.ia.omron.com

#### Regional Headquarters OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp The Netherlands Tel: (31)2356-81-300/Fax: (31)2356-81-388

#### OMRON ASIA PACIFIC PTE. LTD. No. 438A Alexandra Road # 05-05/08 (Lobby 2), Alexandra Technopark, Singapore 119967 Tel: (65) 6835-3011/Fax: (65) 6835-2711

**OMRON ELECTRONICS LLC** 2895 Greenspoint Parkway, Suite 200 Hoffman Estates, IL 60169 U.S.A Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

OMRON (CHINA) CO., LTD. Room 2211, Bank of China Tower, 200 Yin Cheng Zhong Road, PuDong New Area, Shanghai, 200120, China Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200 Authorized Distributor:

© OMRON Corporation 2009-2015 All Rights Reserved. In the interest of product improvement, specifications are subject to change without notice. CSM\_7\_9\_0319 Cat. No. V410-E1-04

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Battery Packs category:

Click to view products by Omron manufacturer:

Other Similar products are found below :

 R101-B
 SL-560/PT
 SL-760/PT
 31000-000067-RS
 4600 726 406
 4610 726 406
 312G-U1
 55615703012
 3LR12
 4606 726 406
 4607 726 406

 ZA13
 LR03/AAA/MN2400(K4)
 LR03 MAXELL S4
 LR1130 MAXELL B10
 LR14-MN1400-C K2
 LR1/910A
 LR41 MAXELL B10
 LR43

 LR43
 MAXELL B10
 LS17500 CNA
 LS 17500 CNR
 E23A
 E90
 625302
 638006
 SL-750/S
 6LF22/9V/MN1604(K1)C&B

 6LF22/9V/MN1604
 PLUS
 6LR61
 SR626SW MAXELL
 SR920SW MAXELL
 7K67 J
 55615303059
 220AAH-B AA
 GP 15AU ULTRA

 PLUS B4
 GP15E
 GP1604GLF-2UE1
 GP 1604 ULTRA PLUS
 GP 24AU ULTRA PLUS B4
 10 ET
 675 ET
 11A B5
 A544
 A76-U10
 13G

 U2
 4112101411
 4 022 211 111
 GP24A/FO2 SUPER
 GP15A/F02 SUPER
 SUPER
 SUPER
 SUPER