Programmable Terminals

NV-series

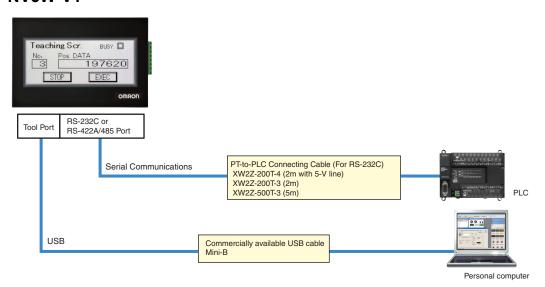
Compact and simple, extremely high cost performance

- The lineup includes compact and horizontal models from 3.8-inch to 4.6-inch and QVGA models.
- True type fonts for flexible screen designs.
- · Space-saving installation.
- Multi-language support and safety standard compliance.

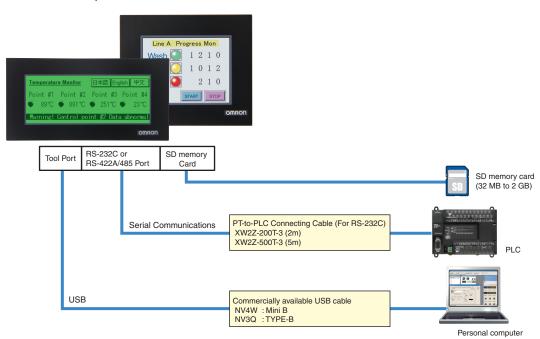


System Configuration

NV3W-V1



NV4W/NV3Q



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NV-series

Ordering Information

Programmable Terminals

Draduct name	Specifications					Madal
Product name	Screen size	Number of dot Communications Power supply voltage		Backlight	Model	
	3.8-in, TFT	240 × 96 dots	RS-232C	5 VDC	LEDs, 3 colors (green, orange, and red)	NV3W-MG20L-V1
			RS-232C	24 VDC		NV3W-MG20-V1
NV3W-V1			RS-422A/485	24 VDC		NV3W-MG40-V1
N V 3 V V - V 1		240 × 96 dots	RS-232C	5 VDC	LEDs, 3 colors (white, pink, and red)	NV3W-MR20L-V1
	3.8-in, TFT monochrome		RS-232C	24 VDC		NV3W-MR20-V1
			RS-422A/485	24 VDC		NV3W-MR40-V1
NV4W	4.6-in, TFT monochrome	320 × 120 dots	RS-232C	24 VDC	LEDs, 3 colors (green, orange, and red)	NV4W-MG21
			RS-422A/485	24 VDC		NV4W-MG41
	4.6-in, TFT monochrome		RS-232C	24 VDC	LEDs, 3 colors (white, pink, and red)	NV4W-MR21
			RS-422A/485	24 VDC		NV4W-MR41
NV3Q	3.6-in, TFT monochrome		RS-232C	24 VDC	LEDs, 3 colors (white, pink, and red)	NV3Q-MR21
			RS-422A/485	24 VDC		NV3Q-MR41
	3.6-in, TFT color	320 × 240 dots (QVGA)	RS-232C	24 VDC	White LED	NV3Q-SW21
			RS-422A/485	24 VDC		NV3Q-SW41

Programming Devices

Product name	Specifications	Number of licenses	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 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 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. For details, refer to the CX-One Catalog (Cat. No : R134).

^{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.□.

^{*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
Dun annumin a		For the NV3W	Length: 3m	NV-TOL-3M
Programming 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	
Display Protective Sheets		For the NV3W-V1, contains 10 sheets	NV3W-KBA04-V1	
		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

9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) Y, and Z directions, 1 sweep per min Y, and Z directions Y, and Z directions, 1 sweep per min Y, and Z directions, 1 sweep per min Y, and Z directions Y, and Z directions, 1 sweep per min Y, and Z directions, 1 sweep per	Item			Specifications		
Operating voltage range Current consumption 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 20% to 85% (with no condensation) Ambient storage temperature -20 to 60 °C Ambient storage temperature 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 MΩ (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/s², 10 times each in X, Y, and Z directions (1 octave/min) 5 to 9.4 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance Noise immunity 1,000 Vp-p with pulse widths of 50 ns and 1 µs between power supply terminals (via simulator) Pasistance to For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Model	NV3W-M□20-V1/M□40-V1 NV3W-M□20L-V1		NV4W-M□21/M□41	NV3Q-MR□1	NV3Q-SW□1
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 humidity 20% to 85% (with no condensation) 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 MΩ (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/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) Shock resistance 147m/s² 3 times each in X, Y, and Z directions (1 octave/min) 98m/s² 4 times each in X, Y, and Z directions (1 octave/min) Position resistance For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Rated power supply	24 VDC 5 VDC		24 VDC		
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 MΩ (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/s², 10 times each in X, Y, and Z directions (1 octave/min) 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance 147m/s² 3 times each in X, Y, and Z directions 98m/s² 4 times each in X, 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) Proxidence to For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Operating voltage range	21.6 to 26.4 VDC 4.5 to 5.5 VDC		21.6 to 26.4 VDC		
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 MΩ (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/s², 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/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance 147m/s² 3 times each in X, Y, and Z directions (1 octave/min) 4 times each in X, Y, and Z directions 98m/s² 4 times each in X, 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) 98m/s² 4 times each in X, Y, and Z directions Posietance term For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	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.)
Numidity 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 MΩ (at 500 VDC) (at initial state) Vibration resistance 5 to 8.4 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance 147m/s² 3 times each in X, Y, and Z directions (1 octave/min) 98m/s² 4 times each in X, 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) Posistance to For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)		0 to 50 °C				
The search in X, Y, and Z directions (1 octave/min) For NV3Q IP65 (at initial state), For NV3Q IP65 (at initial state), and the same state (10% to 85% (with no condensation)) 10% to 85% (with no condensation) 10 mA (at initial state) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions (1 octave/min)		20% to 85% (with no condensation)				
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 MΩ (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/s², 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/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance 147m/s² 3 times each in X, Y, and Z directions (1 octave/min) 98m/s² 4 times each in X, 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) Posistance to For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)		-20 to 60 °C				
Insulation resistance Between the power supply terminals and the case 100 MΩ (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/s², 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/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in Y, and Z directions, 1 sweep per min Shock resistance 147m/s² 3 times each in X, Y, and Z directions 98m/s² 4 times each in X, 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) Posistance to For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)		10% to 85% (with no condensation)				
5 to 8.4 Hz, 3.5-mm single amplitude, 8.4 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) Shock resistance 147m/s² 3 times each in X, Y, and Z directions Noise immunity 5 to 9 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 11 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 12 times each in X, Y, and Z directions 13 times each in X, Y, and Z directions 14 times each in X, Y, and Z directions 15 to 9 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min 15 to 9 Hz, 3.5-mm single amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions, 1 sweep per min 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min	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)				
amplitude, 8.4 to 150 HZ, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) Shock resistance 147m/s² 3 times each in X, Y, and Z directions Noise immunity Amplitude, 9 to 150 HZ, 9.8 m/s², 10 times each in X, Y, and Z directions (1 octave/min) 10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions (1 octave/min) 98m/s² 4 times each in X, Y, and Z directions 98m/s² 4 times each in X, Y, and Z directions 1,000 Vp-p with pulse widths of 50 ns and 1 µs between power supply terminals (via simulator) For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Insulation resistance	Between the power supply terminals and the case 100 MΩ (at 500 VDC) (at initial state)				
Noise immunity 1,000 Vp-p with pulse widths of 50 ns and 1 μs between power supply terminals (via simulator) For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Vibration resistance	amplitude, 8.4 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions		amplitude, 9 to 150 Hz, 9.8 m/s², 10 times each in X, Y, and Z directions	10 to 55 Hz with 0.75-amplitude for 10 min each in X, Y, and Z directions, 1 sweep per min	
For NV3Q IP65 (at initial state), For NV3W-V1, NV4W IP67 (at initial state)	Shock resistance	147m/s ² 3 times each in X, Y	, and Z directions	JI.	98m/s ² 4 times each in X,	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)				
environment Dust proof and drip proof only from the front of the panel (using Waterproof Packing at the contact surface with the panel) Replace the Waterproof Packing each time you reinstall the PT.	Resistance to environment	Dust proof and drip proof only from the front of the panel (using Waterproof Packing at the contact surface with the panel)				
Battery life expectancy: 5 yr (at 25 °C) * Battery life expectancy: 5 yr (at 25 °C) * Battery life expectancy: 3 yr (at 25 °C) *		-				Battery life expectancy: 3 yr (at 25 °C) *
Safety standards UL 508, EC Directives and KC UL 508 and EC Directives	Safety standards	UL 508, EC Directives and K	CC	UL 508 and EC Directives		
Weight 170 g max. 240 g max. 210 g max.	Weight	170 g max.		240 g max. 210 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-MG□□(L)-V1/MR□□(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 × 96 dots (H × V)	320 × 120 dots (H × V)	320 × 240 dots (H × V)		
Effective display size		88.5 × 35.4 mm (H × V)	109 × 41 mm (H × V)	70.6 × 52.9 mm (H × V)		
Service Life	•	50,000 hours min. *1				
Backlights		NV3W-MG-V1 : LED backlights, 3 colors (green, orange, and red) NV3W-MR-V1 : LED backlights, 3 colors (white, pink, and red)	NV4W-MG: LED backlights, 3 colors (green, orange, and red) NV4W-MR: LED backlights, 3 colors (white, pink, and red)	NV3Q-MR: LED backlights, 3 colors (white, pink, and red) NV3Q-SW: LED backlight, 1 color (white)		
	Method	Analog resistive membrane type				
Tarrela	Operating force	0.8 N max.				
Touch switches	Life expectancy	100 million operations min. (at 25 °C)				
SWITCHES	Switches	50 max. per screen *2	00 max. per screen *2			
Size		8 dots × 8 dots min. *3				
External memory		-	SD memory card (32 MB to 2 GB) *4 Manufacturers for which operation has been confirmed: Panasonic SD standard *5			
Host communic ations		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 Support Software		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.

Applicable PLCs

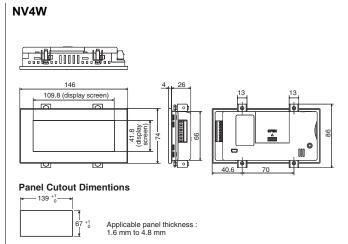
Company	Series	
OMRON	CP Series	
OMRON	CJ Series	
OMRON	CS Series	
OMRON	C Series	
OMRON	CVM1/CV Series	
OMRON	Temperature Controllers EJ1 Series	
Yokogawa Electric	FA-M3 Series	
Hitachi	EH-150EHV Series	
Hitachi	EH150 Series	
Hitachi	MICRO-EH Series	
Hitachi	Web Controller	

Company	Series
Mitsubishi Electric	FX Series
Mitsubishi Electric	Q Series
Mitsubishi Electric	A Series
Panasonic Electric Works	FP Series
Toshiba Machine	TC mini Series
Keyence	KV Series, KV Nano Series
Allen-Bradley Models that support DF protocol	MicroLogix
Allen-Bradley Models that support DF protocol	SLC-500 Series
Siemens	S7-200 Series
LG	MASTER-K Series
Modbus	Models that support RTU protocol

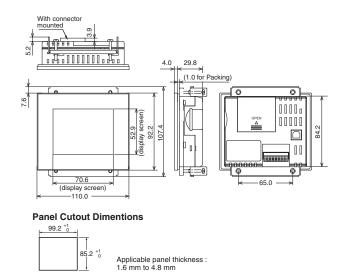
Note: Refer to "NV Series Programmable Terminals Host Connection Manual (Cat.No V105)" which is included in NV-Designer for information on combination use with each PLC Series.

Dimensions (Unit: mm)

NV3W-V1 103 10.55 0.6 0.6 0.5 0.7.5 0.7.5 0.7.5 Applicable panel thickness: 1.6 mm to 4.8 mm



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



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