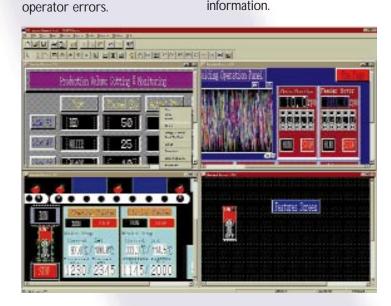
NTST Version 2.1... **Powerful Software that Lowers the Learning Curve**

Easy Editing and Drawing

Quickly create the graphics for the NT631/NT31 in an intuitive Produce the best image for your operation using the drawing, copying, pasting tools with drag-and-drop editing. The resulting graphics will simplify information, maximizing the interface's impact by reducing

Omron uses a unique zoom function with a range of 100% to 800% to facilitate detailed image drawing or editing. For quick corrections, use the undo function to correct your last ten actions. The online help function provides detailed, easyto-understand instructions or explanations about displayed information.



2 기타이러이지의 면비된 및 테니티11위 테티딩보교회의

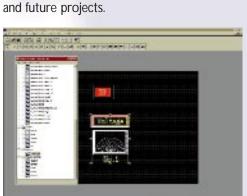


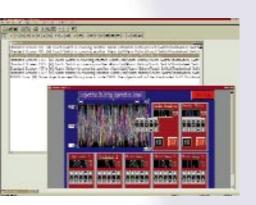
Table and Screen Storage

The applications manager organizes your project in a convenient tree diagram. You can move, copy and paste screens and tables quickly, reducing programming time.

Easy Symbol Registration Combine the ease of drag-anddrop registration with a template library of 1,200 ISO7000 parts (on CD-ROM version). Registered and saved image

data can be re-used in current





Complete Screen Error Tracking

Save time trouble shooting by using the error log. The log can display errors occurring in real time; store and sort them based on user defined parameters. An operator or maintenance engineer can view the location of an error by double clicking on a particular error message. The interface will display the particular screen where the error is occurring.

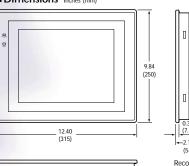
Ordering Information

Specifications: NT31C/NT631

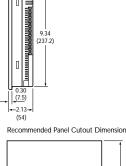
Display Panel:	NT31C-ST121	NT31C-ST141	NT631C-ST141	NT631-ST151	NT631C-ST211
Туре	5.7" Bi-color STN LCD	5.7" 8-color STN LCD	11.3" 8-color STN LCD	10.4" 8-color TFT LCD	10.4" Electroluminescent
Resolution	320 x 240 pixels		640 x480 pixels		
Interface	Touch screen		Touch screen		
Touch Cells	192 per screen		768 per screen		
Memory:					
Туре	Flash EPROM	100	Flash EPROM		
Size	1MB		1MB		
Max Screens	3999 screens		3999 screens		
Voltage Rating	24 VDC		24 VDC		
Max Power Usage	15 W		18 W	_	30 W
Communication	Host link/NT link		Host link/NT link		
Port A	9 pin RS-232C		9 pin RS-232C		
Port B	25-pin RS-232C/422A/485		9 pin RS-232C/422A/485		
Overall dimensions	196 x 142 x 54 mm	- 14/1	315 x 250 x 54 mm		
(w x h x d)	7.72 x 5.59 x 2.13 in.		12.40 x 9.84 x 2.13 in.		
Footprint	184 x 131 mm		308 x 238 mm		
(w x h)	7.72 x 5.16 in		11.93 x 9.37 in		
Weight	2.2 lbs		5.51 lbs		
Features:	Flash memory module		Flash memory module		
	Backlight		Backlight		
	Chemical resistant cover		Chemical resistant cover		
	Protective sheet		Protective sheet		
	Multi-vendor drivers		Multi-vendor drivers		
	Pro-27 Emulator		Pro-27 Emulator		
	Real-time Clock		Real-time Clock		
	Printer Port		Printer port		
Ratings	NEMA 4		NEMA 4		
Approvals	UL/CSA/CE		UL/CSA/CE		

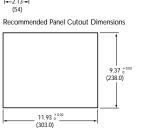
NT631C/NT631

■ Dimensions Inches (mm)









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770,798,6780

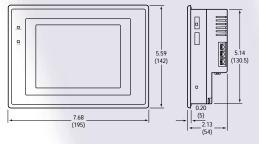
513.469.6766

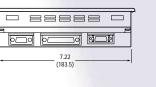
847.843.7910

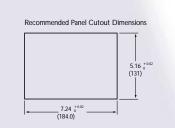
972 241 2597

NT31C/NT31

■ Dimensions Inches (mm)







OMRON.

http://www.omron.com



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714.621.3455 Los Angeles, CA 514 636 6676



MULTI-VENDOR CAPABILITY WITH POWERFUL SOFTWARE AND HIGH-SPEED COMMUNICATIONS



Giving you every advantage.

NT631/NT31 OPERATOR INTERFACE TERMINALS

Take Control of Your Process with Omron

Omron's new NT631 and NT31 operator interface touch screens are sleekly styled windows into your system, graphically conveying information to your operators. Pictures and graphs representing complex information are quickly created using the powerful setup software and large image libraries. The detailed screens and charts you design will increase operator efficiency, empower your operators and minimize errors.

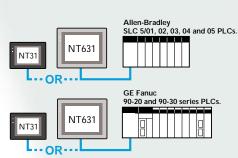
At only 54 mm deep with large viewable areas, these powerful interfaces efficiently use panel space and minimize costs by replacing pilot lights, hardwired thumbwheels, gauges and pushbuttons. The NT631 and NT31 streamline your operation using a 32-bit RISC chip for high-speed data processing and a high capacity flash memory unit for easy screen transfers among interfaces.

The high-speed data communications give your operators information quickly so systems can be efficiently updated and managed. They will be able to quickly identify and correct problems as they arise using the screens you designed with the NT631/NT31's user-

friendly software.

Use the NT631 and NT31's multi-vendor capability to communicate directly with Allen-Bradley and GE Fanuc PLCs. These interfaces communicate with the Allen-Bradley SLC 500 family using the DF1 protocol and use the SNP-X protocol to communicate with GE Fanuc's 90-20 and 90-30 PLC series.

These interfaces use familiar addressing schemes. Quickly program the NT631 and NT31 using Allen-Bradley or GE Fanuc's PLC address formats.



Mobile Memory Module

The 'Flash Memory Module' eliminates the need for a PC when updating a remote site or downloading data to multiple units. The portable modules can store information from two fully loaded NT terminals, letting you quickly upload information from one interface and download it to another.



Embedded PLC Programming Capability Make modifications to the PLC's program directly from

the operator interface without using a handheld unit or PC. This embedded feature is ideal for fine-tuning and making changes in applications quickly.



D000000000

viewable from all angles

NT631C-ST211□ 10.4 inch diagonal

2-color



Omron's Versatility On Display

NT631C-ST141□

Model NT631C-ST141□ Screen Size and Technology 11.3 inch diagonal





NT631C-ST151□ 10.4 inch diagonal

Bright, sharp and

8-color



NT31-ST121□ 5.7 inch diagonal







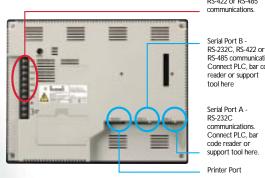
NT31C-ST141□ 5.7 inch diagonal color display

NT Link: Create workstations close to the PLC's I/O points for precise, efficient control. Connect multiple NT631s and/or NT31s to one PLC using NT Link, Omron's fastest NT to PLC connection.

to flash red indicating alarms

Flexible Connectivity

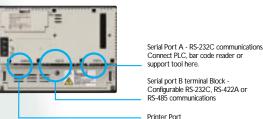
Perform downloads or connect a bar code reader to the interface without disconnecting the PLC. The new port design of the NT series features a dedicated printer port, a selfpowered RS-232C port and a port that can be configured to RS-232C, RS-422 or RS-485 (NT631 also has an RS-422/485 terminal block). This design ensures an unused port even when a PLC and printer are connected to the interface. The free port is ideal for other serial devices or other operator interfaces via Omron's NT Link.



RS-485 communications Connect PLC, bar code reader or suppor Serial Port A -

Port B Terminal Block

communications. Connect PLC, bar code reader or



Enhanced Features for Improved Data Management

Bar Code Reader Connectivity

The self powered RS-232C port and improved firmware is designed to easily support a stationary or hand-held bar code reader.



Data Entry

Numerical or textual data can be directly input to the interface using a pop-up keypad. When using thumbwheels, each digit can be set independently and the set value will be reported directly to the host. The upper and lower limits are user defined, preventing invalid input values.





Data and Trend Display

intervals for extremely

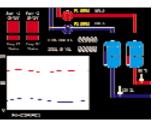
accurate readings. Display

data in bar, line or trend

graphs, showing different

aspects of your process. The enhanced firmware of the NT series includes a new data logging function that enables you to view past sampling data without affecting current data.

Display more details about your process using the NT631/NT31 Collect precise data and series high capacity memory present it as an easy-totables. Their capacity doubles understand graph. The conventional models' memory pre-existing templates and tables. The interfaces can display drawing utilities from the 50 bar graphs or a line graph tool bar ensure quick and with up to 256 lines, each repeasy setup. The NT series resenting a different aspect of wide sampling range (0.5 your process in real time. seconds to 109 minutes) is adjustable in 0.5-second



Quickly Correct Errors and Perform Diagnostics

The new firmware of the NT series displays errors in real time and in great detail. One touch gives an operator or maintenance engineer the necessary information to solve a problem and minimize down-

For quick de-bugging, the screen data can be checked without connecting the NT631/NT31 to the host PLC.

Perform diagnostics without stopping the operation. Errors and malfunctions are stored for future reference and trend definition. They can be displayed in chronological or frequency order and accessed any time.



Increased Capacity in Memory Table