TOTAL CONTROL ■

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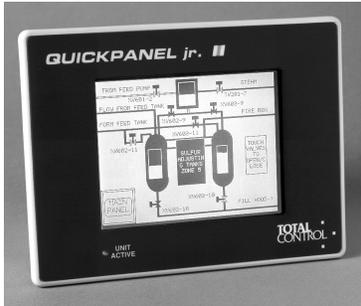Fax: (804) 978-5104
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QUICKPANEL Family Price Catalog

The amazingly versatile and compact QuickPanel jr.

QUICKPANEL jr. 5" and 6" TFT/STN Color and Monochrome LCD

The QuickPanel jr. is a practical and cost effective replacement for a variety of discrete devices, from push buttons and pilot lights to message centers. Free form static and dynamic graphics can be added to present information-rich pictures to the operator in a single glance. Despite its small size, the QuickPanel's 5" or 6" diagonal screen with 320 W x 240 H pixel format provides a sharp display in color or monochrome. Each unit communicates with all major PLCs and PLC networks including A-B Remote I/O, Data Highway Plus, Modicon Modbus Plus and GE Genius (some require an optional, field-installed module). The industrially designed QuickPanel is rated NEMA 12/4X. Best of all, its simple yet versatile design will increase your productivity at a lower installed cost.

QUICKPANEL jr. **Unit Pricing** [1]

Catalog Number	Description
QPJ-2D100-L2P	5" Monochrome LCD for standard serial PLC drivers, 24VDC Ⓤ
QPJ-2D101-L2P	5" Monochrome LCD for standard serial PLC drivers, 24VDC CE
QPJ-2D100-S2P	5" STN Color LCD for standard serial PLC drivers, 24VDC Ⓤ
QPJ-2D101-S2P	5" STN Color LCD for standard serial PLC drivers, 24VDC CE
QPK-2D100-L2P	6" Monochrome LCD for standard serial PLC drivers, 24VDC Ⓤ CE
QPK-2D100-S2P	6" STN Color LCD for standard serial PLC drivers, 24VDC Ⓤ CE
QPK-3D200-C2P	6" TFT Color LCD for standard serial PLC drivers, 24VDC Ⓤ CE

QUICKPANEL jr. **Communication Modules (for all QPJ and QPK units)**

Catalog Number	Description
QPJ-ABD-201	A-B Data Highway Plus interface module Ⓤ CE
QPJ-ABR-201	A-B 1771 Remote I/O interface module Ⓤ CE
QPJ-GEG-201	General Electric Genius I/O interface module Ⓤ
QPJ-MBP-201	Modicon Modbus Plus interface module Ⓤ
QPJ-PBS-201	Profibus interface module
QPJ-IBS-201	Interbus-S interface module
QPJ-COS-201	CANopen interface module
QPJ-DVN-202	DeviceNet interface module

QUICKSTART jr.—*Everything you need for your first project!*

- A color or monochrome 5" or 6" QuickPanel jr.
- QuickDesigner for Windows™ off-line editor [2]
- Full Documentation
- Download Cable

- 24 VDC Power Supply, 1.3 Amp
- HMI-CAB-C53 Cable
- HMI-CAB-C82 Cable
- HMI-CAB-C83 Cable

Windows is a trademark of Microsoft Corporation

Catalog Number	Description
QSJ-2D100-L2P	5" Monochrome LCD for standard serial PLC drivers, 24VDC Ⓤ
QSJ-2D100-S2P	5" STN Color LCD for standard serial PLC drivers, 24VDC Ⓤ
QSK-2D100-L2P	6" Monochrome LCD for standard serial PLC drivers, 24VDC Ⓤ CE
QSK-2D100-S2P	6" STN Color LCD for standard serial PLC drivers, 24VDC Ⓤ CE
QSK-3D200-C2P	6" TFT Color LCD for standard serial PLC drivers, 24VDC Ⓤ CE

The trademarks contained herein are the exclusive property of their respective owners.

1- All QuickPanels, communication modules and accessories on this and subsequent pages are subject to schedule DDS-001.
2 - For PLC driver availabiltiy, refer to the QuickDesigner Software section.
Ⓤ-UL Listed to U.S. and Canadian Safety Standards; for use in Class I, Group A, B, C, D, Div 2 (UL1604)

The bold, clear display of the 10.5" Color TFT.

QUICKPANEL 9" Monochrome EL, 10.5" Color STN, TFT or Monochrome LCD, 12.1" Color TFT

The larger members of the QuickPanel Family are identical to the QuickPanel jr. in every respect except for having about four times as much viewing area. The 12.1" diagonal display has 800 W x 600 H pixels, the 10.5" diagonal display has 640 W x 480 H pixels and the EL has a 9" diagonal screen with a 640 W x 400 H pixel format. Each provides a bold, clear display. Like their smaller counterparts, these are practical and cost effective replacements for a variety of discrete devices, from push buttons and pilot lights to message centers. Free form static and dynamic graphics can be added to present information-rich pictures to the operator in a single glance. Each unit communicates with all major PLCs and PLC networks including A-B Remote I/O, Data Highway Plus, Modbus Plus and GE Genius (some require an optional, field-installed module). All this comes in a slim-line, compact package. Best of all, its simple yet versatile design will increase your productivity at a lower installed cost.

QUICKPANEL **Unit Pricing**

Catalog Number	Description
QPI-31200-E2P	9" Monochrome EL for standard serial PLC drivers, 120VAC
QPI-31200-S2P	10.5" STN Color LCD for standard serial PLC drivers, 120VAC
QPI-31200-C2P	10.5" TFT Color for standard serial PLC drivers, 120VAC
QPL-21100-C2P	12.1" TFT Color for standard serial PLC drivers, 120VAC
QPL-2D200-C2P	12.1" TFT Color for standard serial PLC drivers, 24VDC ⑭ CE
QPI-2D100-L2P	10.5" Monochrome LCD for standard serial PLC drivers, 24VDC ⑭ CE
QPI-3D200-E2P	9" Monochrome EL for standard serial PLC drivers, 24VDC ⑭ CE
QPI-2D100-S2P	10.5" STN Color LCD for standard serial PLC drivers, 24VDC ⑭
QPI-2D101-S2P	10.5" STN Color LCD for standard serial PLC drivers, 24VDC CE
QPI-3D200-C2P	10.5" TFT Color for standard serial PLC drivers, 24VDC ⑭ CE

QUICKPANEL **Communication Modules (for all QPI & QPL units)**

Catalog Number	Description
QPI-ABD-201	A-B Data Highway Plus interface module ⑭ CE
QPI-ABR-201	A-B 1771 Remote I/O interface module ⑭ CE
QPI-GEG-201	General Electric Genius I/O interface module ⑭
QPI-MBP-201	Modicon Modbus Plus interface module ⑭
QPI-PBS-201	Profibus interface module
QPI-PBS-202	Profibus interface module (with Memory Retention)
QPI-IBS-201	Interbus-S interface module
QPI-COS-201	CANopen interface module
QPI-DVN-202	DeviceNet interface module

QUICKSTART **Kits—*Everything you need for your first project!***

A 9", 10.5" or 12.1" QuickPanel

- QuickDesigner for Windows[TM] off-line editor [3]
- Full Documentation
- Download Cable
- 120 VAC Line Cord (for AC units) **or** 24VDC, 2.1Amp Power Supply (for DC units)

PLC cables included:
- HMI-CAB-C53
- HMI-CAB-C82
- HMI-CAB-C83

Windows is a trademark of Microsoft Corporation

Catalog Number	Description
QSI-2D100-L2P	10.5" Monochrome LCD for standard serial PLC drivers, 24VDC ⑭ CE
QSI-31200-E2P	9" Monochrome EL for standard serial PLC drivers, 120VAC
QSI-31200-S2P	10.5" STN Color LCD for standard serial PLC drivers, 120VAC
QSI-31200-C2P	10.5" TFT Color LCD for standard serial PLC drivers, 120VAC
QSL-21100-C2P	12.1" TFT Color for standard serial PLC drivers, 120VAC

3 - For PLC driver availability, refer to the QuickDesigner Software section.
⑭-UL Listed to U.S. and Canadian Safety Standards; for use in Class I, Group A, B, C, D, Div 2 (UL1604)

PLC Communication Cables [4]

PLC Manufacturer	PLC Type	Description	Catalog Number
Allen-Bradley	SLC 500, SLC 5/01, SLC 5/02, SLC 5/03	DH-485 program port, one SLC to one QUICKPANEL, no simultaneous program port.	HMI-CAB-C83
		DH-485 program port, one SLC to one QUICKPANEL, with simultaneous program port, **6 foot max.**	HMI-CAB-C84
		DH-485 link via 1747-AIC module, multiple QUICKPANELS to multiple SLC's, **6 foot max.**	HMI-CAB-C84
	SLC 5/03, SLC 5/04	Channel 0, 9 pin RS-232	HMI-CAB-C52
	PLC-5	Channel 0, 25 pin RS-232	HMI-CAB-C53
		Channel 0, 25 pin RS-422	HMI-CAB-C107
		KF2 module, 25 pin RS-232	HMI-CAB-C51
	PLC-2	Program Port, 15 pin RS-422	HMI-CAB-C90
	MicroLogix	Program Port, 8 pin circular DIN RS-232	HMI-CAB-C106
	Remote I/O	Use QPJ- or QPI-ABR-201 Module	
	Data Highway Plus	Use QPJ- or QPI-ABD-201 Module	
Aromat	FP1 (MEWNET)	25 pin to 9 pin RS-232	HMI-CAB-C111
ASCII Single Drop	Customer micro controller or computer	Requires custom cable. Some applications can use C52 or C53	
B & R	Mininet	2-plated wires RS-422	HMI-CAB-C98
CANopen	CANopen	Use QPJ- or QPI-COS-201 Module	
DeviceNet	DeviceNet	Use QPJ- or QPI-DVN-202 Module	
Flex	Customer micro controller, computer, motion controller, scale, etc.	Requires custom cable. Some applications can use C52 or C53	
GE Fanuc	SNP 90/30, 90/70	Program Port, 15 pin RS-422	HMI-CAB-C82
	CMM Module SNP	25 pin RS-232	HMI-CAB-C53
		25 pin RS-422	HMI-CAB-C93
	GE GENIUS 90/30, 90/70, SERIES 6, SERIES 5	Use QPJ- or QPI-GEG-201 Module	
	GE Series 6 CCM		HMI-CAB-C118
Hitachi	H Series	15 pin male	
	S10	4 wire RS-422	HMI-CAB-C115
IDEC	Micro-1, FA via link adapter	25 pin RS-232	HMI-CAB-C53
	Micro 3	25 pin to 9 pin RS-232	HMI-CAB-C109
Interbus-S	Interbus-S	Use QPJ- or QPI-IBS-201 Module	
Keyence	KV-L2 Port 1	25 pin RS-232	HMI-CAB-C53
	KV-L2, KV-10R Program Port	RJ11 Handset Connector RS232	HMI-CAB-C112
Koyo	NA	see PLC Direct	NA
Mitsubishi	Series A1S	9 pin RS-232, for A1SJ71C24-R2	HMI-CAB-C88
	Series A Computer Interface	25 pin RS-232	HMI-CAB-C53
	Series A Program Port	25 pin RS-422	HMI-CAB-C91
	FX	25 pin RS-422	HMI-CAB-C91
	FX0	25 pin RS-422 via an adapter	HMI-CAB-C91
Modicon	984 A, B, X	25 pin RS-232	HMI-CAB-C53
	984 Slot and compact	9 pin RS-232	HMI-CAB-C58
	984 micro	RJ45 headset connector RS-232	HMI-CAB-C102
	MODBUS Plus	Use QPJ- or QPI-MBP-201 Module	
	MODBUS Slave	Requires custom cable. Some applications can use C52 or C53	
Omron	C200H	25 pin RS-232	HMI-CAB-C53
		9 pin RS-422	HMI-CAB-C108
	C20H, CQM1,	9 pin RS-232	HMI-CAB-C67

PLC Direct	DL430, 440 P2, D4-DCM	25 pin RS-232	HMI-CAB-C53
	DL330, 330P with use of D3-232-DCU, DL350 P2, DL450 PA	25 pin RS-232	HMI-CAB-C53
	DL340	4-pin Modular Phone RS-232	HMI-CAB-C103
	DL240 P2, 250 P1, 350 P1	6-pin Modular Phone RS-232	HMI-CAB-C86
Profibus	Profibus	Use QPJ- or QPI-PBS-201 Module	
Reliance	Automate program port, R-net gateway	25 pin RS-232	HMI-CAB-C53
SATTCON	05-35	25 pin RS-232	HMI-CAB-C89
Siemens	S5 family program port	15 pin current loop	HMI-CAB-C76
	3964R 928B TTY Sub Module	25 pin Male Current Loop	HMI-CAB-C104
	3964R 928B RS232 Sub Module	25 pin RS-232	HMI-CAB-C53
	S7-200 PPI	9 pin RS-422	HMI-CAB-C110
	S7-300 MPI	9 pin to PC Adapter	HMI-CAB-C52
Simatic TI	305 with use a RS-232 DCU	25 pin RS-232	HMI-CAB-C53
	405	25 pin RS-232	HMI-CAB-C53
	500 series, 25 pin program port	25 pin RS-232	HMI-CAB-C53
	500 series 9 pin program port	9 pin RS-232	HMI-CAB-C101
	500 series 9 pin male RS-422	9 pin RS-422	HMI-CAB-C92
	TI545-1102, 9 pin female RS-422	9 pin RS-422	HMI-CAB-C100
Square D	Symax model 100 and greater	9 pin RS-422	HMI-CAB-C94
	Symax model 50 via link adapter	25 pin RS-232	HMI-CAB-C53
Toshiba	MX, EX	4 plated wires RS-422	HMI-CAB-C96
	T2	15 pin RS-422	HMI-CAB-C97
Toyopuc	PC1	3 plated wires RS-422	HMI-CAB-C113
	PC2F	4 spade lugs RS-422	HMI-CAB-C114
Uni-Telway	Uni-Telway Network	25 pin to 8 pin male Mini-DIN	HMI-CAB-C116

4 - All cables are 12 feet long except as noted.

QUICKDESIGNER Software

QuickDesigner is a friendly Windows-based graphic editor that is common to all of the QuickPanel models. QuickDesigner offers a comprehensive set of panel operators, including: push buttons, selector switches, pilot lights, text and numeric data displays, bar-graph displays, static and dynamic bit-mapped or object oriented images and more. Each of these functions as naturally as its discrete counterpart---push buttons toggle on and off at a touch, pilot lights glow to indicate active status, and so forth. Despite its impressive array of features, QuickDesigner is easy to use. We promise that you will be configuring application screens within 10 minutes or we will give your money back!

Catalog Number	Description
QDA-EDT-001	QuickDesigner Advanced software has everything for development and downloading of applications including download cable. Provides protocol support for the following PLCs:

- Allen Bradley
   SLC-500 single point, network,
   Channel 0, and DF1
   PLC-5 channel 0 DF1 serial
   PLC-2 program port
   Remote I/O
   Data Highway Plus for PLC-5 and SLC 5/04
- Aromat (MEWNET)
- ASCII Slave for computer communications
- B & R Mininet
- CANopen
- DeviceNet
- Flex (ASCII)
- GE Fanuc series 90 SNP program port
   and CMM module
   Genius I/O, SNPX, Series 6 CCM
- Hitachi H Series, Hitachi S10
- Idec Micro 1, Micro 3, FA2J, and FA3S
- Interbus-S
- Keyence KV-L2 Port 1, KV-L2 & KV-10R Program Port

- Koyo DL405, DL305, DL205
- Mitsubishi
   A series computer interface
   A series program port
   FX series program port
- Modicon
   Modbus Master, Modbus Plus, Modbus Slave
- Omron "C" series host link
- PLC Direct
- Profibus-DP
- Reliance
- Siemens S5 family program port,
   S7-200 PPI, S7-300/400 MPI
   3964R Communication Link
- Simatic TI405/305 CCM2, TI500 series program port
- Square D Symax program port or NIM
- Toshiba T1, T2, MX, and EX
- Toyopuc PC1 and PC2
- Unitelway

Video QuickPanel

Total Control Products now offers another new technical innovation in industrial process control…the **Video QuickPanel**. This member of the QuickPanel family provides three channels of video input. Up to four video display objects can appear on a panel. With this dynamic enhancement, your machine process can now be monitored and controlled directly by the machine operator. The QuickPanel Video combines a 10.5", 640 x 480 Color TFT flat panel display with a resistive touch panel into a compact package. The unit is compatible with Quick Designer Advanced Software. All the inputs are software selectable, programmed just like any other QuickPanel operator.

QUICKPANEL Video **Unit Pricing**

Catalog Number	Description
QPI-211V0-C2P	10.5" TFT Color for standard serial PLC drivers, 120VAC with 3 NTSC video inputs.
QSI-211V0-C2P	Quick Start Kit. QPI-211V0-C2P, Quick Designer for Windows™ off-line editor, user manual, download cable, HMI-CAB-C53, HMI-CAB-C82, HMI-CAB-C83.

Handy QuickPanel

The **Handy QuickPanel** is a light weight hand held portable operator interface which supports all the standard serial PLC drivers. It does not support any QPJ or QPI communication modules. In addition to touchscreen functionality, there are 11 function keys, an hard-wired push button with external contacts, an external buzzer output, and operator switch with an additional keypad. Panel development is done with Quick Designer software.

Handy QUICKPANEL **Unit Pricing**

Catalog Number	Description
QPH-2D100-L2P	6" Monochrome LCD w/touchscreen, Function keys, E-Stop For standard serial PLC drivers, no comm modules, 24VDC ⊕ CE
QPH-2D100-S2P	6" Color STN LCD w/touchscreen, Function keys, E-Stop For standard serial PLC drivers, no comm modules, 24VDC ⊕ CE
HMI-CAB-A02	Cable, 12'. (24VDC, RS232C and RS422, E-stop, buzzer)
HMI-CAB-A02-25X	Cable, 25'. (24VDC, RS232C and RS422, E-stop, buzzer)
HMI-CAB-A02-50X	Cable, 50'. (24VDC, RS232C and RS422, E-stop, buzzer)
HMI-JBX-201	Junction Box. Power, PLC & signal connections
QBH-2D100-L2P	Quick Bundle. Includes 6" Monochrome LCD, 12' A02 cable, power supply, junction box. ⊕ CE
QBH-2D100-S2P	Quick Bundle. Includes 6" Color STN LCD, 12' A02 cable, power supply, junction box. ⊕ CE

QuickPanel Mini

The QuickPanel Mini is our low-end member of the QuickPanel family. Its limited functionality provides the best solution for those simple controls applications. The QuickPanel Mini bridges the gap between the traditional character based message displays and the traditional graphic operator interface. The QuickPanel Mini gives you low-end graphics interface capabilities within a message display price range.

QUICKPANEL Mini **Unit Pricing**

Catalog Number	Description
QPM-2D100-L2P	6" Monochrome LCD w/touchscreen, 24VDC, CE and UL Listed.
QSM-2D100-L2P	Quick Start Kit. 6" Monochrome LCD w/touchscreen, Quick Designer for Windows™ off-line editor, user manual, download cable, 24VDC Power Supply, HMI-CAB-C53, HMI-CAB-C82, HMI-CAB-C83.

Miscellaneous

Catalog Number	Description
HMI-AGO-201	Anti-Glare Overlay for 9" display (5 per pack)
HMI-AGO-202	Anti-Glare Overlay for 10.5" display (5 per pack)
HMI-AGO-203	Anti-Glare Overlay for 5" display (5 per pack)
HMI-AGO-204	Anti-Glare Overlay for 6" display (5 per pack)
HMI-BEZ-201	Stainless Steel NEMA 4X Bezel for 5" Color or Mono QPJ-2xxxx-xxx
HMI-BEZ-202	Stainless Steel NEMA 4X Bezel for 9" EL QPI-2xxxx-Exx
HMI-BEZ-203	Stainless Steel NEMA 4X Bezel for 10.5" Color STN QPI-2xxxx-Sxx, TFT QPI-2xxxx-Cxx, or QPI-2xxxxx-Lxx
HMI-BEZ-204	Stainless Steel NEMA 4X Bezel for 6" Color or Mono QPK-2xxxx-xxx
HMI-BEZ-205	Stainless Steel NEMA 4X Bezel for 12.1" Color QPL-2xxxx-xxx
HMI-COV-201	Front sheet cover for 9" EL QPI-2xxxx-Exx (10 per pack)
HMI-COV-202	Front sheet cover for 10.5" Color STN QPI-2xxxx-Sxx, TFT QPI-2xxxx-Cxx or LCD QPI-2xxxx-Lxx (10 per pack)
HMI-COV-203	Front sheet cover for 5" Color or Mono QPJ-2xxxx-xxx (20 per pack)
HMI-COV-204	Front sheet cover for 6" Color or Mono QPK-2xxxx-xxx (20 per pack)
HMI-COV-205	Front sheet cover (hard) for 12.1" Color QPL-2xxxx-xxx (5 per pack)
HMI-CCT-201	Replacement Cold Cathode Backlight Tube for 10.5 Color STN QPI-2xxxx-Sxx or TFT QPI-2xxxx-Cxx
HMI-CCT-202	Replacement Cold Cathode Backlight Tube for 5" Color or Mono QPJ-2xxxx-xxx
HMI-CCT-203	Replacement Cold Cathode Backlight Tube for 6" Color or Mono QPK-2xxxx-xxx
HMI-CCT-205	Replacement Cold Cathode Backlight Tube for 12.1" Color QPL-2xxxx-C2P
800-1000-121	Manual, Quick Designer Advanced Panel Editor software documentation
800-1000-122	Manual, Quick Designer Communications documentation
800-1000-123	Manual, QuickPanel Hardware Reference
ACC-MAN-002	QuickPanel Manual Set (above three manuals)
HMI-CAB-C49	IBM AT 9 pin F RS232 cable for downloading to QuickPanel and QuickPanel jr. (10')
HMI-CAB-C99	Printer cable, QuickPanel printer port, 14-pin Male to 36-pin Male Centronics.
HMI-CAB-C105	Printer cable, QuickPanel tool port to 9 pin female connector, RS-232, 10ft.
HMI-ADP-001	Adapter plate allows cutout for QPI 10.5" unit to be used with 9" EL QPI-2xxxx-Exx.
510-1000-004	24 VDC, 1.3Amp power supply, enclosed design for desktop or panel mounting, with on/off switch (for 5" or 6" Color or Mono QPJ-2xxxx-xxx or QPK-2xxxx-xxx).
SPS-24W	24VDC 1.0Amp power supply, DIN rail mountable. UL Listed, CSA, VDE, CE Mark (for 5" or 6" QuickPanels)
510-1000-041	24 VDC, 2Amp power supply, enclosed design for desktop with on/off switch for QPI-xDxxx-xxx units.
SPS-50W	24VDC 2.1Amp power supply, DIN rail mountable. UL Listed, CSA, VDE, CE Mark (for 9", 10.5" or 12.1" QuickPanels)

CE marked units available upon request. Please consult factory.

HMI-KPN-201/301/302 Numeric and Function Keys

The keypad option adds external keypads that surround the touch screen. The keypads are used in place of the touch screen or along with the touch screen. For example, instead of touching the QuickPanel screen to activate a Push Button, you can press an external keypad. You can also assign an external keypad to simulate a push button, selector switch, goto panel button, numeric data entry, print screen button or word button.

Keypad Unit Pricing

Catalog Number	Description
HMI-KPN-201	Numeric and Function Keypad (for QPJ and QPK only)
HMI-KPN-301	Numeric and Function Keypad (for 9" Display)
HMI-KPN-302	Numeric and Function Keypad (for 10.5" Display)