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LT4000 Modular

Description

The LT4000M provides both HMI, digital and analog control in a single unit.

A unique modular style allows the display and rear module to be mounted directly (to each other) or separately (connected by a 3 or 5m cable).

Features

- Compact all-in-one unit for easy installation in small spaces
- 22mm hole mounting (similar to a pushbutton) saves time
- Flexible installation choices for integrated or separated display and rear module

Mount the unit as one (with 22mm hole mounting), or separate with the processor on a DIN rail with the available separation cable.

Easy wiring with removable spring I/O connector

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3.5" Modular – LT4000

Touchscreen Operator Interface plus Control, with 22mm mounting

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Type and Size	TFT Color LCD (3.5")
Display Colors	65,536 Colors
Display Area	W 70.56 x H 52.92 mm [W 2.78 x H 2.08 in]
Touch Screen	Resistive Film (analog)
Backlight	White LED
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Storage Temperature	-20 to 60° C [-4 to 140° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x, rear module IP20
Certifications	CE, CSA, UL Listed, RoHS, GOST, KC, DNV/GL

Product Specifications

Part Number to Order	Source	**PFXLM4201TADAC***	**PFXLM4201TADDC***
	Sink	**PFXLM4201TADAK***	**PFXLM4201TADDK***
Serial Ports (COM1)		RS-232C / 485 (RJ45)	RS-232C / 485 (RJ45)
Ethernet		x1	x1
USB (1)		Type-A (2.0)	Type-A (2.0)
USB (2)		Mini-B (2.0)	Mini-B (2.0)
Built in DIO (Input)		12 points	20 points
Built in DIO (Output)		6 points	10 points
Built in AIO (Input)		2 points (13bit) / 2 points (16 bit)	0 points
Built in AIO (Output)		2 points (12 bit)	0 points
CANopen Master		63 stations	63 stations
Brightness/Contrast Controls		16 levels of adjustment	16 levels of adjustment
Backup Memory		128KB nvSRAM	128KB nvSRAM
Programming Memory		16MB Flash EPROM	16MB Flash EPROM
Input Voltage		24 VDC	24 VDC
Power Consumption		<9W	<9W

* K suffix = Sink
* C suffix = Source

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5.7" Modular – LT4000

Touchscreen Operator Interface plus Control, with 22mm mounting

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Type and Size	TFT Color LCD (5.7")
Display Colors	65,536 Colors
Display Area	W 115.2 x H 86.4 mm [W 4.53 x H 3.4 in]
Touch Screen	Resistive Film (analog)
Backlight	White LED
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Storage Temperature	-20 to 60° C [-4 to 140° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x, rear module IP20
Certifications	CE, CSA, UL Listed, RoHS, GOST, KC, DNV/GL

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Product Specifications

Part Number to Order	Source	**PFXLM4301TADAC***	**PFXLM4301TADDC***
	Sink	**PFXLM4301TADAK***	**PFXLM4301TADDK***
Serial Ports (COM1)		RS-232C / 485 (RJ45)	RS-232C / 485 (RJ45)
Ethernet		x1	x1
USB (1)		Type-A (2.0)	Type-A (2.0)
USB (2)		Mini-B (2.0)	Mini-B (2.0)
Built in DIO (Input)		12 points	20 points
Built in DIO (Output)		6 points	10 points
Built in AIO (Input)		2 points (13bit) / 2 points (16 bit)	0 points
Built in AIO (Output)		2 points (12 bit)	0 points
CANopen Master		63 stations	63 stations
Brightness/Contrast Controls		16 levels of adjustment	16 levels of adjustment
Backup Memory		128KB nvSRAM	128KB nvSRAM
Programming Memory		16MB Flash EPROM	16MB Flash EPROM
Input Voltage		24 VDC	24 VDC
Power Consumption		<10W	<10W

* K suffix = Sink
* C suffix = Source

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Rear Module – LT4000

Touchscreen Operator Interface plus Control, with 22mm mounting

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Ambient Operating Temp	Horizontal installation: 0 to 50°C (32 to 122 °F) Vertical installation: 0 to 40°C (32 to 104°F)
Storage Temperature	-20 to 60° C [-4 to 140° F]
Environmental Ratings	IP20
Certifications	CE, CSA, UL Listed, RoHS, GOST, KC, DNV

Product Specifications

Part Number to Order	**PFXLM4B01DDK*** **PFXLM4B01DDC***	**PFXLM4B01DAK*** **PFXLM4B01DAC***
Programming Memory	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	128KM nvSRAM	128KM nvSRAM
Serial Ports (COM1)	RS-232C / 485 (RJ45)	RS-232C / 485 (RJ45)
Ethernet	x1	x1
USB (1)	Type-A (2.0)	Type-A (2.0)
USB (2)	Mini-B (2.0)	Mini-B (2.0)
Built in DIO (Input)	20 points	12 points
Built in DIO (Output)	10 points	6 points
Built in AIO (Input)	n/a	2 channel (13 bit), 2 channel (16 bit)
Built in AIO (Output)	n/a	2 channel (12 bit)
CANopen Master	63 stations	63 stations
Input Voltage	24 VDC	24 VDC
Power Consumption	<9W	<9W

* K suffix = Sink
* C suffix = Source
* Rear Module only. Rear Module Installation Adapter "PFXZXMADSA1" is required for installation.

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LT3000 Control

Description

The LT3000 operator interface combines built-in PLC functionality integrated with an HMI. It is an all-in-one hardware and software HMI Control Solution. Lowering overall system costs and panel space. Use up to 2 or 3 I/O modules connected directly to the back of the LT3000 as local I/O . The optional CANopen Master module can be used if remote I/O, Sensor, or Motion connections are required.

Features

- One Software Application for HMI & Control
- Space-saving HMI plus Control in One Unit
- Build Flexibility into your Machines
- Eliminate PLC/custom controls
- Cut remote maintenance costs

Ethernet
Ideal for:
- Data collection
- Remote reporting

Serial Port
Ideal for:
- Temperature controllers
- Drives and inverters
- Multidrop communications
- Sending/receiving ASCII

Touch-Screen Display
Ideal for:
- Tight spaces
- Alternative to text displays

Expansion
- Expansion to 80 I/O points
Ideal for:
- Adaptive machine design

USB
- Data storage
- Bar-code input

CANopen Master
(Requires optional communication module)
Ideal for:
- Interfacing to third-party CANopen devices
- Enhancing your machine functionality

Built-in I/O
- 24 VDC
- Inputs for sensors, switches
- Outputs for lamps, stack lights, valves

Pulse Output
- Stepper: pulse out to 65 kHz
- Speed: up to 7,800 RPM
- Four-axis single-direction/ Two-axis cw/ccw

High-Speed Counter
- 100 Kpps input
Ideal for:
- Encoder output

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5.7" Control – LT3000

All-In-One Operator Interface plus Control

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Effective Display Area	W115.2mm x H86.4mm [4.54in x 3.4in]
Backlight	White LED
Touch Screen	Resistive Film (analog)
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Storage Temperature	-20 to 60° C [-4 to 140° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2

Product Specifications

Part Number to Order	**LT3300-T1-D24-K***
	LT3300-T1-D24-C*
Display Type and Size	5.7" TFT Color LCD
Display Colors	65,536 Colors (No blink) 16,384 Colors (Blink)
Programming Memory	6MB Flash EPROM
Backup Memory	128MB SRAM
Brightness/Contrast	8 levels for brightness
DIO Input	16 points
DIO Output	16 points
USB	1 Type A (1.1)
Serial	RS232C / 422 / 485
Ethernet	x1
I/O Expansion	3 EXM Modules
Input Voltage	24 VDC
Power Consumption	27W or less

* K suffix = Sink
* C suffix = Source

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AGP3000 Control with CANopen

Description

The AGP3000 with built in CANopen Master interface is part of the latest line of Pro-face brand operator interfaces. The bright, crisp, and clear QVGA display of this model provides a wide angle viewing area, with a high resolution no-grid analog resistive touch screen for a higher level of screen clarity and precise part placement.

For great performance, compact size, flexibility and network connectivity requirements, the AGP3000 with built in CANopen Master is a great choice!

Features

- CANopen Master interface connects up to 63 CANopen slave devices (I/O, Sensors, Motion) of you choice
- 65, 536 Colors TFT, Clear, Bright, High-Resolution TFT Display
- 64-bit RISC 133Mhz CPU for Ultra-Fast Screen Refresh and Data Sampling
- 10/100 Base-T Ethernet, USB Serial (MPI) and CompactFlash Communications

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5.7" w/ CANopen – AGP3000

All-In-One Operator Interface plus Control with built-in CANopen Master Controller

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Area	W115.2 x H86.4 mm [W4.54 x H3.40 in]
Touch Screen	Resistive Film (analog)
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS

3D CAD

Product Specifications

Part Number to Order	**AGP3300-T1-D24-CA1M**
Display Type and Size	5.7" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness/Contrast Controls	8 levels
Programming Memory	6MB Flash EPROM
Backup Memory	320kb SRAM
CANopen Master	63 stations
Input Voltage	24 VDC
Power Consumption	26W or less

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7.5" w/ CANopen – AGP3000

All-In-One Operator Interface plus Control with built-in CANopen Master Controller

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W153.7 x H115.8 mm [W6.05 x H4.56 in]
Touch Screen	Resistive Film
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS

3D CAD

Product Specifications

Part Number to Order	**AGP3400-T1-D24-CA1M**
Display Type and Size	7.5" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness Controls	8 levels
Programming Memory	16MB Flash EPROM
Backup Memory	320kb SRAM
CANopen Master	63 stations
AUX Output	Alarm Output, RUN Output, Buzzer Output
AUX Input	Remote Reset Input
Input Voltage	24 VDC
Power Consumption	28W or less

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10.4" w/ CANopen – AGP3000

All-In-One Operator Interface plus Control with built-in CANopen Master Controller

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W211.2 x H158.4 mm [W8.31 x H6.24 in]
Touch Screen	Resistive Film (analog)
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS

3D CAD

Product Specifications

Part Number to Order	**AGP3500-T1-D24-CA1M**	**AGP3500-T1-AF-CA1M**
Display Type and Size	10.4" TFT Color LCD	10.4" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1
USB (1) (2)	Type-A (1.1)	Type-A (1.1)
Brightness Controls	8 levels	8 levels
Programming Memory	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM
CANopen Master	63 stations	63 stations
AUX Output	Alarm Output, RUN Output, Buzzer Output	
AUX Input	Remote Reset Input	
Input Voltage	24 VDC	100VAC : <240VA
Power Consumption	50W or less	100VAC : <90VA / 240VAC : <108VA

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12.1" w/ CANopen – AGP3000

All-In-One Operator Interface plus Control with built-in CANopen Master Controller

General Specifications

Graphic Display Resolution	800 x 600 pixels (SVGA)
Display Area	W248.0 x H186.5 mm [W9.76 x H7.34 in]
Touch Screen	Resistive Film
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, cUL, UL Listed C1D2, RoHS

3D CAD

Product Specifications

Part Number to Order	AGP3600-T1-D24-CA1M	AGP3600-T1-AF-CA1M	AGP3600-U1-D24-CA1M
Display Type and Size	12.1" TFT Color LCD	12.1" TFT Color LCD	12.1" TFT Color LCD (ultra luminance)
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 48	RS-232C / 422 / 48	RS-232C / 422 / 48
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1	x1
USB (1) (2)	Type-A (1.1)	Type-A (1.1)	Type-A (1.1)
Brightness Controls	8 levels	8 levels	8 levels
Programming Memory	16MB Flash EPROM	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM	320kb SRAM
CANopen Master	63 CANopen stations	63 CANopen stations	
AUX Output	Alarm Output, RUN Output, Buzzer Output	Alarm Output, RUN Output, Buzzer Output	Alarm Output, RUN Output, Buzzer Output
AUX Input	Remote Reset Input	Remote Reset Input	Remote Reset Input
Input Voltage	24 VDC	100VAC - 240VAC	24 VDC
Power Consumption	50W or less	100VAC - <90VA / 240VAC - <108VA	50W or less

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AGP3000 Control with FlexNetwork

Description

The AGP3000 + FlexNetwork interface is part of the latest line of Pro-face brand operator interfaces. The bright, crisp, and clear VGA display of this model is complemented with a large viewing area, high resolution no-grid analog resistive touch screen providing a higher level of screen clarity and precise part placement.

For data intensive applications with very detailed graphic requirements, the AGP3000 + FlexNetwork is a great choice!

Features

- Expand and control distributed I/O modules via FlexNetwork Interface
- 65,536 Colors, Clear, Bright, High-Resolution TFT Display
- 64-bit RISC 133Mhz CPU for Ultra Fast Screen Refresh and Data Sampling
- 10/100 Base-T Ethernet, USB, Serial and CompactFlash Communication Interfaces

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5.7" w/ FlexNetwork – AGP3000

All-In-One Operator Interface plus Control with Dual Channel FlexNetwork Port

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Area	W115.2 x H86.4 mm [W4.54 x H3.40 in]
Touch Screen	Resistive Film (analog)
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3300-T1-D24-FN1M**
Display Type and Size	5.7" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Port (COM1)	RS-232C / 422 / 485
Serial Port (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness/Contrast	8 levels
Programming Memory	6MB Flash EPROM
Backup Memory	320kb SRAM
Flex Network Interface	63 nodes
Input Voltage	24 VDC
Power Consumption	26W or less

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7.5" w/ FlexNetwork – AGP3000

All-In-One Operator Interface plus Control with Dual Channel FlexNetwork Port

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W153.7 x H115.8 mm [W6.05 x H4.56 in]
Touch Screen	Resistive Film (analog)
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3400-T1-D24-FN1M**
Display Type and Size	7.5" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness/Contrast	8 levels
Programming Memory	16MB Flash EPROM
Backup Memory	320kb SRAM
Flex Network Interface	63 nodes
AUX Output	Run Output, Buzzer Output, Alarm Output
AUX Input	Remote Reset
Sound Output	Speaker output 70mW (Rated load: 8ohm, Freq: 1kHz)
Input Voltage	24 VDC
Power Consumption	28W or less

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10.4" w/ FlexNetwork – AGP3000

All-In-One Operator Interface plus Control with Dual Channel FlexNetwork Port

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W211.2 x H158.4 mm [W8.31 x H6.24 in]
Touch Screen	Resistive Film (analog)
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, cUL Recognized, UL

3D CAD

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Product Specifications

Part Number to Order	**AGP3500-T1-D24-FN1M**	**AGP3500-T1-AF-FN1M**
Display Type and Size	10.4" TFT Color LCD	10.4" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1
USB (1)	Type-A (1.1)	Type-A (1.1)
USB (2)	Type-A (1.1)	Type-A (1.1)
Brightness/Contrast	8 levels	8 levels
Programming Memory	8MB Flash EPROM	8MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM
Flex Network Interface	63 nodes	63 nodes
Sound Output	Speaker output 70mW (Rated load: 8ohm, Freq: 1kHz)	
Aux Input	Remote Reset	Remote Reset
Aux Output	Alarm Output, Run Output, Buzzer Output	Alarm Output, Run Output, Buzzer Output
Input Voltage	24VDC	100VAC to 240VAC
Power Consumption	50W or less	100VAC <90VA; 240VAC<108VA

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12.1" w/ FlexNetwork – AGP3000

All-In-One Operator Interface plus Control with Dual Channel FlexNetwork Port

General Specifications

Graphic Display Resolution	800 x 600 pixels (SVGA)
Display Area	W248.0 x H186.5 mm [W9.76 x H7.346 in]
Touch Screen	Resistive Film (analog)
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, cUL Recognized, UL

3D CAD

Product Specifications

Part Number to Order	**AGP3600-T1-D24-FN1M**	**AGP3600-T1-AF-FN1M**
Display Type and Size	12.1" TFT Color LCD	12.1" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1
USB (1)	Type-A (1.1)	Type-A (1.1)
USB (2)	Type-A (1.1)	Type-A (1.1)
Brightness/Contrast	8 levels	8 levels
Programming Memory	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM
Flex Network Interface	63 nodes	63 nodes
Sound Output	Speaker output 70mW (Rated load: 8ohm, Freq: 1kHz)	
Aux Input	Remote reset	Remote reset
Aux Output	Alarm Output, Run Output, Buzzer Output	Alarm Output, Run Output, Buzzer Output
Input Voltage	24VDC	100VAC to 240VAC
Power Consumption	50W or less	100VAC <90VA; 240VAC<108VA

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AGP3000 Control with Discrete I/O

Description

The AGP3000 + Discrete I/O interface is part of the latest line of Pro-face brand operator interfaces. The bright, crisp, and clear QVGA display of this model provides a wide angle viewing area, with a high resolution no-grid analog resistive touch screen for a higher level of screen clarity and precise part placement.

For great performance, compact size, flexibility and network connectivity requirements, the AGP3000 + Discrete I/O is a great choice!

Features

- All-in-One HMI and PLC + 6 discrete inputs and 2 discrete outputs
- Crisp, Clear, Bright 320x240 Resolution Monochrome Display
- Ultra Fast Application Transfer, 10 Times Faster than Conventional HMIs
- 10/100 Base-T Ethernet, USB, Serial (MPI) and CompactFlash® Communications

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5.7" w/ Discrete I/O – AGP3000

All-In-One Operator Interface plus Control with built-in Discrete I/O

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Area	W115.2 x H86.4 mm [W4.54 x H3.40 in]
Touch Screen	Resistive Film (analog)
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3300-T1-D24-D81K*** **AGP3300-T1-D24-D81C***
Display Type and Size	5.7" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness/Contrast	8 levels
Programming Memory	6MB Flash EPROM
Backup Memory	320kb SRAM
Discrete Input	6 points
Discrete Output	2 points
Input Voltage	24VDC
Power Consumption	26W or less

* K suffix denotes product is Sink type
* C suffix denotes product is Source type

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7.5" w/ Discrete I/O – AGP3000

All-In-One Operator Interface plus Control with built-in Discrete I/O

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W153.7 x H115.8 mm [W6.05 x H4.56 in]
Touch Screen	Resistive Film (analog)
Backlight	CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3400-T1-D24-D81K*** **AGP3400-T1-D24-D81C***
Display Type & Size	7.5" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485
Ethernet	x1
USB (1)	Type-A (1.1)
Brightness/Contrast	8 levels
Programming Memory	16MB Flash EPROM
Backup Memory	320kb SRAM
Sound Output	Speaker output 70mW (rated load: 8ohm, Frequency: 1kHz)
Aux Input	Remote Reset
Aux Output	Alarm Output, Run Output, Buzzer Output
Discrete I/O	6 points Input / 2 points Output
Input Voltage	24 VDC
Power Consumption	28W or less

* K suffix denotes product is Sink type
* C suffix denotes product is Source type

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10.4" w/ Discrete I/O – AGP3000

All-In-One Operator Interface plus Control with built-in Discrete I/O

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Area	W211.2 x H158.4 mm [W8.31 x H6.24 in]
Touch Screen	Resistive Film (analog)
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, cUL, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3500-T1-D24-D81K*** **AGP3500-T1-D24-D81C***	**AGP3500-T1-AF-D81K*** **AGP3500-T1-AF-D81C***
Display Type and Size	10.4" TFT Color LCD	10.4" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1
USB (1) (2)	Type-A (1.1)	Type-A (1.1)
Brightness/Contrast	8 levels	8 levels
Programming Memory	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM
Sound Output	Speaker output 70mW (rated load: 8ohm, Frequency: 1kHz)	
AUX Input	Remote Reset	Remote Reset
AUX Output	Alarm Output, Run Output, Buzzer Output	Alarm Output, Run Output, Buzzer Output
Discrete I/O	6 points Input / 2 points Output	6 points Input / 2 points Output
Input Voltage	24 VDC	100VAC to 240VAC
Power Consumption	50W or less	100VAC <90VA; 240VAC <108VA

* K suffix denotes product is Sink type
* C suffix denotes product is Source type

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12.1" w/ Discrete I/O – AGP3000

All-In-One Operator Interface plus Control with built-in Discrete I/O

General Specifications

Graphic Display Resolution	800 x 600 pixels (SVGA)
Display Area	W248 x H186.5 mm [W9.76 x H7.34 in]
Touch Screen	Resistive Film (analog)
Backlight	LED or CCFL
Storage Temperature	-20 to 60° C [-4 to 140° F]
Ambient Operating Temp	0 to 50° C [32 to 122° F]
Environmental Ratings	IP65f, NEMA #250 Type 4x/13
Certifications	CE, CSA, cUL, UL Listed C1D2

3D CAD

Product Specifications

Part Number to Order	**AGP3600-T1-D24-D81K*** **AGP3600-T1-D24-D81C***	**AGP3600-T1-AF-D81K*** **AGP3600-T1-AF-D81C***
Display Type and Size	12.1" TFT Color LCD	12.1" TFT Color LCD
Display Colors	65,536 Colors (No blink); 16,384 (Blink)	65,536 Colors (No blink); 16,384 (Blink)
CF Card	1 slot, Type II	1 slot, Type II
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485
Ethernet	x1	x1
USB (1) (2)	Type-A (1.1)	Type-A (1.1)
Brightness/Contrast	8 levels	8 levels
Programming Memory	16MB Flash EPROM	16MB Flash EPROM
Backup Memory	320kb SRAM	320kb SRAM
Sound Output	Speaker output 70mW (rated load: 8ohm, Frequency: 1kHz)	
AUX Input	Remote Reset	Remote Reset
AUX Output	Alarm Output, Run Output, Buzzer Output	Alarm Output, Run Output, Buzzer Output
Discrete I/O	6 points Input / 2 points Output	6 points Input / 2 points Output
Input Voltage	24 VDC	100VAC to 240VAC
Power Consumption	50W or less	100VAC <90VA; 240VAC <108VA

* K suffix denotes product is Sink type
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