

# 3.5" Quick Mount HMI/Controller: LT4201M Series



**TouchPanel  
Operation**



3.5 inch TFT Color LCD  
Fan-less, Diskless Quick Mount HMI/Controller

DC24Vdc	<b>3.5-inch</b>
QVGA	

**LT4201M**

Model: PFXMLM4201TADAC, PFXMLM4201TADAK, PFXMLM4201TADDC, PFXMLM4201TADDK








Powered by **GP-Pro EX** Screen Editor

**Features:**

- 65,536 color, LED backlit TFT color LCD Display
- Separate Front and Rear Module all for quick installation in 22mm hole
- 64-bit RISC CPU for ultra-fast screen refresh and communication
- No grid analog touch panel for improved visibility and precise part placement
- Supports a large selection of Serial or Ethernet protocols (Set up to 4 Ethernet or 3 Ethernet and 1 serial protocol.)
- USB Interfaces can be used for project transfer and to connect BCR scanners, printers, and memory devices.
- Programmed with the versatile GP-Pro EX Screen Development Software
- Multiple Mounting Options Available

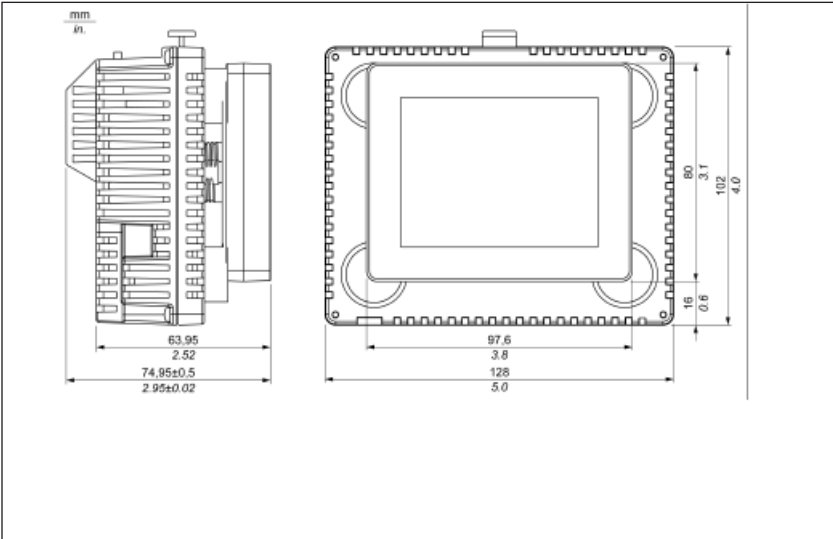
**Specifications**

Model		LT-4201TM (type AIO)	LT-4201TM (type DIO)
Order Numbers		PFXMLM4201TADAC (Source) PFXMLM4201TADAK (Sink)	PFXMLM4201TADDC (Source) PFXMLM4201TADDK (Sink)
Display	Size and Type	3.5" TFT Color LCD	
	Colors	65536 colors	
	Resolution	320 x 240 pixels (QVGA)	
	Brightness Adjustment	16 levels of adjustment available via touch panel in the Configuration menu	
	Backlight	White LED adjustable on/off control	
	Area	W 70.56 x H 52.92 mm [W 2.78 x H 2.08 in]	
Touch Panel	Resistive Film (Analog) 1024 x 1024 pixels		
Memory	Application	16MB FLASH EPROM (Capacity available for user application)	
	Data Backup	128KB nvSRAM	
	Logic Program Area	132KB FLASH EPROM (equivalent to 15,000steps)	
Interfaces	Serial (COM1)	x1 RS232C / RS485 (RJ45)	
	Ethernet	x1 10/100BASE-T	
	USB	x 1 (USB 2.0 Type A), x1 (USB 2.0 Mini-B)	
	CANOpen	CANOpen master (Sub-D9) (supported 2014)	
Built in DIO (Input)	12 points (configurable 2 x High Speed counter/ Pulse catch or 1 Up/Down High Speed Counter)	20 points (configurable 2 x High Speed counter/ Pulse catch or 1 Up/Down High Speed Counter)	
Built in DIO (Output)	8 points (configurable 2 x PWM/Pulse)	12 points (configurable 2 x PWM/Pulse)	
Built in AIO (Input)	4 points (Voltage/Current x2 - Temperature input x2 included)	0 points	
Built in AIO (Output)	2 points (Voltage/Current x2)	0 points	
Clock	Battery backed clock		

**General Specifications**

Model		PFXMLM4201TADAC (Source) PFXMLM4201TADAK (Sink)	PFXMLM4201TADDC (Source) PFXMLM4201TADDK (Sink)
Electrical	Input Voltage Limits	24Vdc	
	Rated Voltage	20.4Vdc to 28.8Vdc	
	Power Consumption	≤ 12 W	≤ 9W
Environmental	Ambient Operating Temp	Horizontal Installation	0...50 °C (32...122 °F)
		Vertical Installation	0...40 °C (32...104 °F)
	Storage Temperature	- 20...60 °C (- 4...140 °F)	
	Relative Humidity	5...85% w/o condensation (non-condensing, wet bulb temperature 39 °C (102.2 °F) or less)	
	Altitude Operation	0...2,000 m (0...6,560 ft)	
	Vibration & Shock Resistance	Mounted on a DIN rail	3.5 mm (0.138 in.) fixed amplitude from 5...8.4 Hz 9.8 m/s <sup>2</sup> (1 gn) fixed acceleration from 8.4...150 Hz
Mounted on a panel		3.5 mm (0.138 in.) fixed amplitude from 5...8.6 Hz 9.8 m/s <sup>2</sup> (1 gn) fixed acceleration from 8.6...150 Hz	
Structural	Ratings	Front module IP65f, NEMA Type 4x, rear module IP20	
	Certifications	CE,, UL Listed, RoHS, GOST, DNV-GL, ATEX, IECEx	
	Cooling Method	Natural Air Circulation	
	Weight	LT-4201TM (Modular Type Analog): 531 g (18.73 oz)	LT-4201TM (Modular Type DIO): 496 g (17.49 oz)
	Warranty	Two year standard	

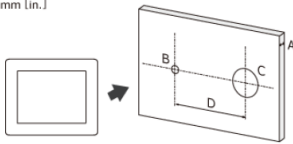
**LT4201M External Dimensions**



**LT4201M Cut-Out Dimensions**

Unit: MM (in)

Unit : mm [in.]



Panel Mounted

A	B	C	D
1.5 to 6	4.00	22.50	30.00
[0.06 to 0.23]	[0.15]	[0.88]	[1.18]

\* If rotating torque acted on a display module is 2.5 N.m (22.12 in-lb) or more, use an anti-rotation tee which is supplied with a LT unit. The anti-rotation tee supports up to 6 N.m (53.10 in-lb).

**Software Compatibility**



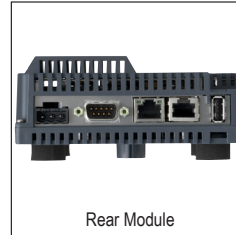
**Powered By**  
Screen Editor  
**GP-Pro EX**  
HMI Development Software  
(Version 3.12 or newer)

**Ordering Information**

Part Number	Description
PFXLM4201TADAC (Source)	3.5" TFT, 1 Serial, 2 USB, Ethernet, 22mm Quick Mount, 24Vdc, Analog, Source
PFXLM4201TADAK (Sink)	3.5" TFT, 1 Serial, 2 USB, Ethernet, 22mm Quick Mount, 24Vdc, Analog, Sink
PFXLM4201TADDC (Source)	3.5" TFT, 1 Serial, 2 USB, Ethernet, 22mm Quick Mount, 24Vdc, Source
PFXLM4201TADDK (Sink)	3.5" TFT, 1 Serial, 2 USB, Ethernet, 22mm Quick Mount, 24Vdc, Sink

**Optional Items**

Part Number	Product Name
EX-ED-Vxx	GP-Pro EX Development Software (download version), xx refers to current version
EX-ED-Vxx-DVD	GP-Pro EX Development Software (download version + DVD backup media), xx refers to current version
PFZXMADSM31	Display module / rear module separation cable (3m)
PFZXMADSM51	Display module / rear module separation cable (5m)
PFZLMCBJR21	Cable for RS-232C connection between various hosts and the LT4000M (RJ45 Type) -open leads
PFZLMCBJR81	Cable for RS-485 connection between various hosts and the LT4000M (RJ45 Type) -open leads
PFXLM4B01DAC	LT4000M Analog model Rear Module - Source
PFXLM4B01DAK	LT4000M Analog model Rear Module - Sink
PFXLM4B01DDC	LT4000M DIO model Rear Module - Source
PFXLM4B01DDK	LT4000M DIO model Rear Module - Sink
PFXXM4200TP	3.5" Display Module
PFXXM4300TP	5.7" Display Module
PFZLMCNI01	DIO Connector set for LT4000M
PFZXMADSA1	Rear Module DIN Rail Adapter for LT4000M
GP377-GP4000M-AT00	Panel cutout adapter for mounting LT4000M Series in cutout of GP-330*T/S/L, ST-330*T/S/B/W, GP-230*T/S/L, GP377, GP370
GP37W2-GP4000M-AT00	Panel cutout adapter for mounting GP4000M Series, LT4000M Series in cutout of GP37W2, LT(GLC150)



**Pro-face America**  
Phone: 734.477.0600  
Fax: 734.864.7347  
www.profaceamerica.com

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Andover, MA 01810 USA  
888-778-2733  
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