

12.1" Multi-Media with High Brightness Display - AGP3650U

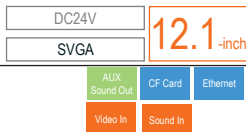


**TouchPanel
Operation**

12.1-inch TFT Color LCD Operator Interface

AGP-3650U

Models: AGP3650-U1-D24



Powered by
SCREEN EDITOR
GP-Pro EX



Features:

- 65,536 Color, Clear, Bright, High-Resolution TFT Display
 - High Brightness Display
 - 64-bit RISC 266Mhz CPU for Ultra Fast Screen Refresh and Data Sampling
 - No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
 - Supports Up to Four Protocol Drivers
- Simultaneously
- High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces
 - 100 Base-T Ethernet, USB, Serial (MPI) and CompactFlash™ Communication Interfaces
 - Includes Alarm, Buzzer Output, Remote Reset Input
 - Direct Video and Audio Input Ports, plus Audio Output

Performance Specifications

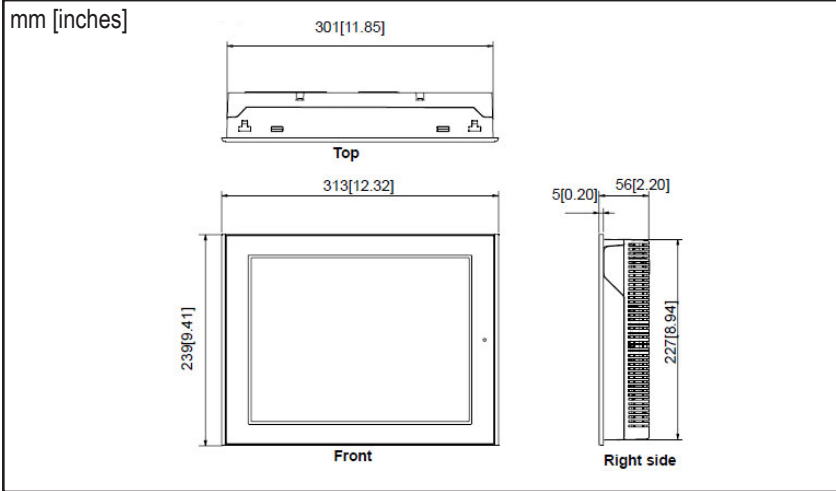
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|-----------------------------|--|
| Model | AGP3650-U1-D24 |
| Display Type | High Brightness TFT Color Display |
| Display Colors | 65536 Colors (no Blink/16384 Colors (3-speed Blink) |
| Graphics Display Resolution | (800 x 600 resolution) |
| Backlight | User replaceable CCFL (Service life: 50,000 hrs. or more at 25°C (77°F) and 24 hrs. operation) |
| Touch Screen | Resistive Film (analog) |
| USB | 2 ports USB1.1, Host I/F, USB TYPE-A connector |
| Serial Interface | COM1 RS-232C/422/485, COM2: RS422/485 |
| Ethernet Interface | Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45) |
| CF Card | 1 slot CompactFlash™, TYPE II |
| Sound Output | Speaker output 70mW (Rated Load: 8ohm, Frequency: 1kHz) |
| Video Mix Interface | Support for optional GP2000-VM41 4-Channel Video camera input and RGB remote monitor with output. |
| Video Input Interface | NTSC: 59.9Hz PAL: 50Hz Connector: RCA: 75Ω |
| Sound Input Interface | MIC Input/LINE Input (Change with S/W) Connector: MINI-JACK φ3.5mm |
| AUX Input/Output | AUX Discrete Output: Alarm Output, RUN Output, Buzzer Output, Rated: DC24V @ 50mA AUX Discrete Input: Remote Reset Input, Rated: DC24V @ 6mA Operating Voltage: ON State: DC9V or greater, OFF State: DC2.5V or less |

General Specifications

| | |
|---|--|
| Model | AGP3650-U1-D24 |
| Input Voltage | DC24V |
| Power Consumption | 26W or less |
| Allowable Voltage Drop | 10 ms or less |
| Voltage Endurance | AC1000V 20mA for 1 minute (between charging and FG terminals) |
| Insulation Resistance | DC500V 10MΩ(min.) (between charging and FG terminals) |
| Certifications | UL508, CSA-C22.2 No.14 and 142, CE EN55011 Class A, EN61000-6-2, RoHS |
| Ambient Operating Temperature ^{*1} | 0°C (32°F) to 50°C (122°F) |
| Humidity - Ambient/Storage | 10 to 90% RH (Not condensing, wet bulb temperature: 39°C or less). |
| Corrosive Gas | Free of corrosive gases |
| Noise Immunity | Noise Voltage: 1000Vp-p, Pulse Duration: 1μs, Rise Time: 1ns (via noise simulator) |
| Grounding | Grounding resistance of 100Ω 2mm ² or thicker wire, or your country's applicable standard. (same for FG and SG terminals) |
| Electrostatic Discharge Immunity | 6kV (complies with EN 61000-4-2 Level 3) |
| Vibration Resistance | IEC61131-2 compliant. 5Hz to 9Hz single amplitude 3.5mm, 9Hz to 150Hz fixed acceleration 9.8m/s ² , X, Y, Z directions for 10 times (100min.) |
| Rating | Equivalent to IP65f, Nema #250 Type 4x/13 (Equivalent to NEMA 12 with the addition of "Oil or Coolant Spraying and Splashing") |
| Weight | 3.0kg (6.6lb) or less |
| External Dimensions | W313mm[12.31in.] x H239mm [9.41in.] x D56mm [2.20in.] |
| Warranty | Two (2) year |

*1 Ambient Operating Temperature indicates the cabinet interior or panel face temperature..

AGP-3650U - External Dimensions



Ordering Information

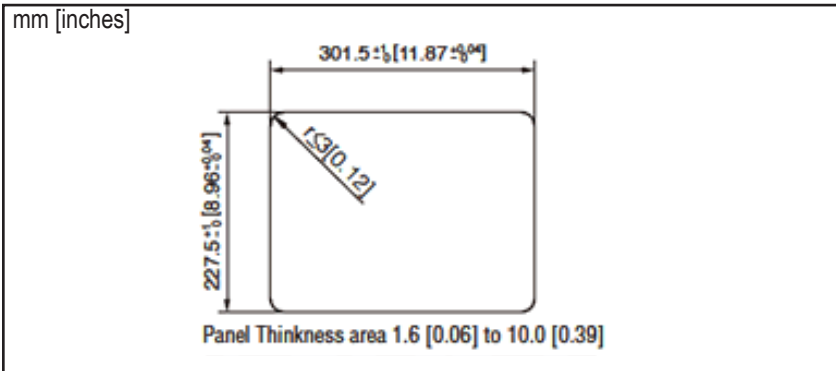
| Part Number | Description |
|----------------|---|
| AGP3650-U1-D24 | 12.1" TFT, 2 Serial, 2 USB, Sound, Video, Ethernet, DC24V |

Accessories or Replacement Components

| Product Name | Part Number |
|--|----------------------------|
| Ethernet Crossover Cable | HMI-CAB-ETH |
| USB Transfer Cable | CA3-USBCB-01 (2m) |
| Installation Fasteners | CA3-ATFALL-01 |
| GP-Pro EX HMI Development Software | EX-ED-Vxx (latest version) |
| Screen Protection Sheet (5 sheets/set) | CA3-DFS6-01 |

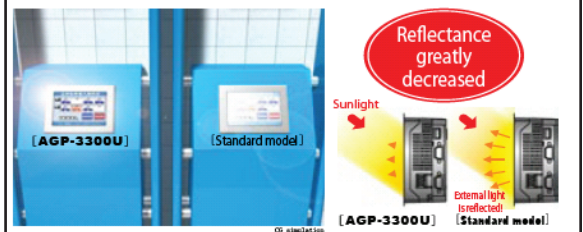
- All information contained in this document is subject to change without notice.

AGP-3650T - Cut-Out Dimensions

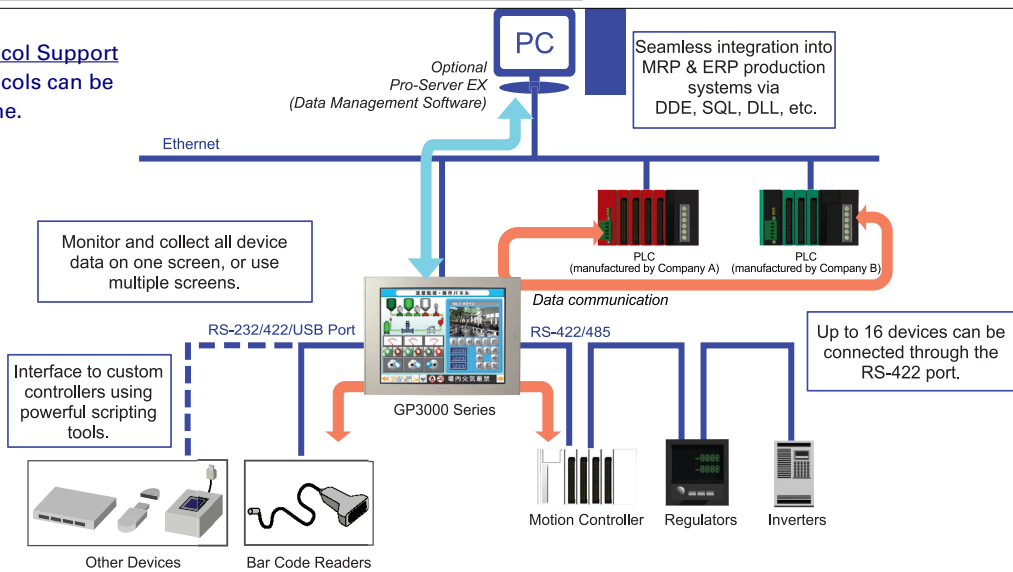


High Brightness Features

Improved visibility in brightly lit locations. Focused reflection of light improves visibility for the operator



Simultaneous Multi-Protocol Support
Up to four different protocols can be active at one time.



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California Proposition 65 Warning—Lead and Lead Compounds

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Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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