

HMI-TCNPOU-17AC-X00H

**17" HMI Panels with Industrial Multi-touch
High performance, Intel® Core™ i3 Processor**



Features and Benefits

- Industrial design for machine control and visualization
- High performance and extremely fast system response
- Multi-touch displays for innovative HMI and visualization
- Intel Core i3-4010U CPU, DDR3L-1600 memory up to 8GB
- Dual GbE ports for high data transmission and redundancy
- Pre-installed and activated 64-bit Windows Embedded OS
- Readily-available battery backup power supply module
- Rugged, compact and fan-less aluminum die-cast housing
- IP65 degree protection, resistant to shock and vibration
- Fan-less operation up to ambient temperatures of 50 °C
- UL listing and CB certificates, RoHS, FCC and CE compliant

Introduction

AIS's 17" Compact Plus HMI panel is equipped with projected capacitive multi-touch screen displays that feature brilliant resolution (1280 x 1024, SXGA), high-brightness (350 nits), and 100% dimmable. The industrial HMI system offers compact all in one panel PC-based on embedded technology, featuring Intel® Core™ i3-4010U processor, DDR3L-1600 SDRAM of up to 8 GB, standard SD card slot, and Windows Embedded Standard 7 or Windows Embedded 8 Standard operating system for an efficient visualization and operation of machine applications.

Specifications

| Display | |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Size in inches / resolution in pixels | 17" / SXGA, 1280 x 1024 |
| Brightness / luminance | 350 nits / 350 cd/m ² |
| MTBF of backlight | LED-backlight up to 100,000 hours in Eco mode |
| Touchscreen | Multi-touch (projected capacitive) |
| System hardware | |
| Processor | Intel® Core™ i3-4010U Processor, 3M Cache, 1.70 GHz, 15 W maximum TDP |
| Cores / speed | 2 / 1.7 GHz |
| Memory | On board 4 GB DDR3 |
| Graphics / video | Intel® HD Graphics 4400: DirectX 11.1, OpenCL 1.2 and OpenGL 4.0, 4K videos Quick Sync encoder |
| Battery backup power | 1950mAh Li-ion rechargeable battery (optional) |
| Drives | |
| Mass storage | 1 x 2.5" SATA (default: 32 GB SSD) |
| Secondary storage | 1 x SD slot |
| Optical drives | Connection via USB port |

| Interface ports | |
|-------------------------------------|-----------------------------------------------------------------------------|
| Ethernet | 2 x Ethernet LAN ports (Power over Ethernet - optional) |
| USB | 2 x U SB 2.0. 2 x USB 3.0 |
| Serial | 1 x RS232/422/485, 2 x RS232 (1 x RS232 w/ POE option) |
| Audio | 1 x Line-out |
| General features | |
| Operating system | Windows Embedded 7 32/64-bit / Windows Embedded 8 (optional) |
| Current supply | 24 V DC; 9.6 to 28.8 V, isolated |
| Bezel / housing | Aluminum die-casting |
| Mounting options | Panel / wall mount |
| Packages / bundles | Packages with Wonderware InTouch, ready-to-use HMI software (optional) |
| Environment / ambient conditions | |
| Degree of protection / thermal | Front: IP65; Rear: IP20 / Fanless |
| Electromagnetic compatibility | CE, FCC A, EN 61000-6-2, EN 61000-6-3, CISPR22, RoHS |
| Vibration during operation | Tested according to DIN IEC 60068-2-6: 10-500 Hz: 1G / 3 axis |
| Shock during operation | Tested according to DIN IEC 60068-2-27: 15G for 11 ms |
| Ambient temperature | 0...50°C (32...122°F) |
| Relative humidity | 10 to 90% at 40°C (non-condensing) |
| Certifications / regulations | UL/cUL/IEC 61010-1, UL/cUL/IEC 62368-1, CB reports available for all models |
| Dimensions | |
| Operator panel / cut-out (W x H) | 422 x 331 mm |
| Installation dimensions (W x H x D) | 439 x 348 x 64.8 mm |
| Product weight (lb / kg) | 13.9 / 6.3 |
| Contractual warranty | |
| Period | 12 months |

Unit: mm

