

HMI-TCND0U-10AR-X00H

10.1" HMI Panels with Rugged Aluminum Enclosures
Energy-efficient, Intel® Celeron® Processor N2930



Features and Benefits

- Cost-effective control and monitoring for simple HMI apps
- HMIs offer machine-oriented operation and monitoring
- Rugged, compact, fanless, and multiple interface options
- High performance processor, graphics, memory and power
- Intel® Celeron® N2930 CPU, DDR3L-1333 SDRAM up to 8 GB
- IP65 degree of protection, resistance against corrosion
- High availability communication and storage
- Highly reliable touchscreens and long lasting displays
- Comprehensive operating system, software, and services
- High temperature, vibration, shock, and EMC resistance
- UL listed, CB certified, RoHS, FCC and CE compliant

Introduction

AIS 10.1" Compact HMI Multi-touch Panel PCs are equipped the cutting-edge processor, Intel® Celeron® N2930, energy-efficient PC with 32- or 64-bit operating systems, highly reliable touch screens, and long lasting industrial displays. These AIS systems feature compact and lightweight aluminum die-cast housing and are: easy to service, maintenance-free, space-saving, fan-less, able to withstand high electromagnetic environments, resistant to shock and vibration, and ideal for entry-level simple HMI applications. AIS 10.1" embedded Panel PCs are powered by: Quad-core Intel® Celeron® Processor N2930, 2M Cache up to 2.16 GHz, Intel HD Graphics supporting DirectX 11.1, OpenCL/GL, and 4K videos Quick Sync encoder, onboard non-volatile DDR3L-1333 memory, and 12-24 VDC (± 20% power tolerance) wide input-voltage range power supply.

Specifications

| Display | |
|---------------------------------------|--|
| Size in inches / resolution in pixels | 10.1" / WXGA, 1280 x 800 |
| Brightness / luminance | 300 nits / 300 cd/m ² |
| MTBF of backlight | LED-backlight up to 100,000 hours in Eco mode |
| Touchscreen | Single-touch (resistive analog) |
| System hardware | |
| Processor | Intel® Celeron® N2930 Processor; 2M Cache up to 2.16 GHz, 7.5 W maximum TDP |
| Cores / speed | 4 / 1.83 GHz |
| Memory | On board 4 GB DDR3 |
| Graphics / video | Intel HD graphics; DirectX 11.1, OpenCL/GL, and 4K videos Quick Sync encoder |
| 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 TCP/IP - RJ45 |
| USB | 3 x USB 2.0; 1 x USB 3.0 |
| Serial | COM1: RS232/422/485, COM2: RS232, COM5: RS232 |
| Audio | 1 x Line-out |
| General features | |
| Operating system | Windows Compact 7, Windows Embedded 7 32/64-bit ; Windows Embedded 8 |
| 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) | 272 x 176 mm |
| Installation dimensions (W x H x D) | 285 x 189 x 49 mm |
| Product weight (lb / kg) | 4.6 / 2.1 |
| Contractual warranty | |
| Period | 12 months |

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Dimensions

Unit: mm

