

ITA-5730

Intel® 3rd Generation Core™ i Processor Fanless System EN 50155 Certified Product for Railway Applications

NEW



Features

- Supports Intel® 3rd Generation processor with HM76
- Fanless computer for railway vehicle applications, fully compliant with EN 50155
- Satisfy temp. standard: EN 50155 TX (-40 ~ 70° C) and IEC 61373 body mount class B
- Compliant with EN 50121-3-2 EMC test standard
- Ruggedized connectors (M12) used for communication and power ports
- Optional PCI/miniPCIe slots for expansion
- Support Easy-swap HDD/SSD/CF module

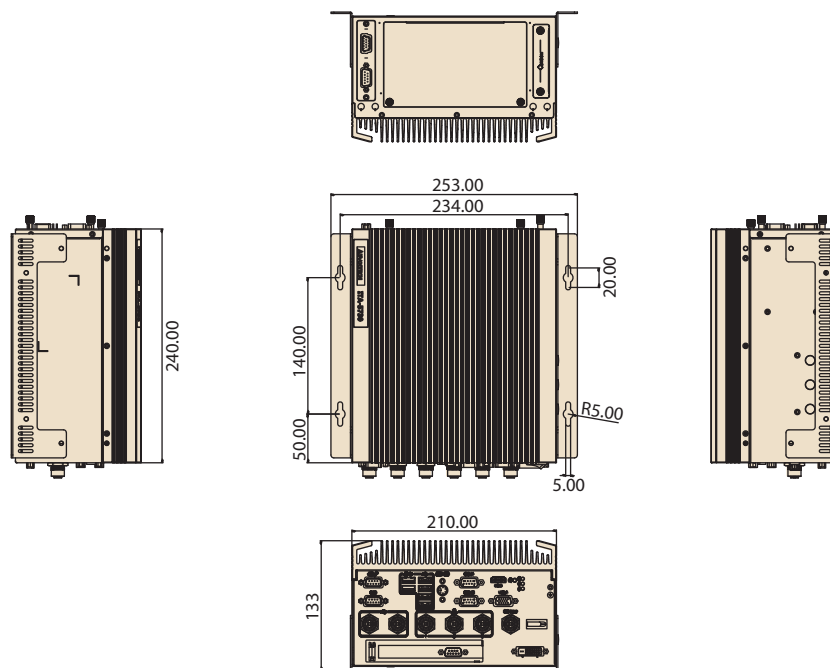


Specifications

| | | | |
|---------------------|---------------------------------|---|------------------------------|
| System Chipset | CPU | Intel® Core™ i7-3555LE | Intel® Core™ i3-3217UE |
| | Max Speed | 2.5 GHz | 1.6 GHz |
| | L2 Cache | 6 MB | 3M |
| | Chipset | Intel HM76 | |
| | BIOS | AMI SPI 64 Mb | |
| Memory | Technology | DDR3 1333/1600MHz | |
| | Max. Capacity | 4G on board memory | |
| Display | Chipset | Intel Integrated Graphics HD4000, support Direct x11 | |
| | VGA/HDMI | VGA: 1 x DB15, max resolution up to 2048 x 1536 HDMI: 1 x HDMI, support HDMI1.4 standard, max to 1920 x 1200 @ 60Hz | |
| | LVDS/eDP | Built-in interface | |
| | Display option | Dual display: VGA+HDMI | |
| Ethernet | Controller | Intel i210-IT | |
| | Interface | 10/100/1000 Mbps | |
| | Connector | Up to 3 x M12 A-coded(F) 8-pin | |
| Storage | HDD/SSD | Support 1 x 2.5" SSD/HDD Easy-Swap bay | |
| | Others | 1 x mSATA slot on M/B 1 x Easy-Swap CF/SATA DOM Module | |
| I/O (Others) | USB | 2 x USB2.0 with M12 A-coded(F) 4-pin 4 x USB2.0 with Type A 2 x USB3.0 with Type A | |
| | Serial Port | 2 x DB9, RS-232/422/485, Support auto-flow control | |
| | DIO | 1 x DB9, 8-bit | |
| | VGA | 1 x DB15 | |
| | Audio | 1 x DB9, 1 x Speaker-out with 2 x 4W Amp., 1 x Mic-in | |
| | PS2 | 1 x PS2 | |
| Expansion Slot | Mini PCIe | 1 x Mini PCIe Socket (Full size) 1 x Mini PCIe Socket (Full/Half size) | |
| | PCI | 1 x PCI32 33Mhz Slot | |
| LED & Button | LED | 1 x Power, 1 x Storage, 1 x Alert | |
| | Button | 1 x Power on/off Switch 1 x Reset Button | |
| Power | Input Voltage | DC 24V input compliant with EN50155 class S2/C1 (Optional DC 48/72/110V input) | |
| | Connector | 1 x M12 A-coded(M) 4-pin | |
| Watchdog Timer | Output | System reset | |
| | Interval | Programmable 1~255 sec/min | |
| Environment | Temperature | Operating (with Industrial SSD/CF) -40 ~ 70° C | Non-Operating -40 ~ 85° C |
| | Humidity | 5% ~ 95% @ 40° C (Non-Condensing) | |
| Mechanical | Dimension (W x H x D) | 210 (W) x 240 (D) x 129 (H) (8.4" x 9.5" x 5.1") 253 (W) x 240 (D) x 133 (H) (10.0" x 9.5" x 5.3") with mounting bracket | |
| | Install | Desktop/Wall-mounting | |
| Certification | EMC | CE/FCC Class A, CCC | |
| | Safety | UL, CB, CCC | |
| EN 50155 Compliance | Ambient Temperature | EN 50155 TX (-40 ~ 70° C) | |
| | Shock and Vibration | IEC 61373 body mount class B | |
| | Interruptions of Voltage Supply | Class S2 | |
| | Supply Change Over | Class C1 | |
| | EMC | EN 50121-3-2 | |

Dimensions

Unit: mm



Ordering Information

| Part number | CPU | On board Memory | Ethernet (M12/A-code/ 8-pin/Female) | USB (M12/A-code/ 4-pin/Female) | Power input (M12/A-code/ 4-pin/Male) | mini-PCIe Slot | mSATA Slot | COM (DB9) | 2.5" SSD Tray | CF/DOM Tray | Power Input |
|----------------|-----------|-----------------|-------------------------------------|--------------------------------|--------------------------------------|----------------|------------|-----------|---------------|-------------|--------------------|
| ITA-5730-00A1E | i7-3555LE | 4G DDR3 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 24 V _{DC} |
| ITA-5730-10A1E | i3-3217UE | 4G DDR3 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 24 V _{DC} |

Accessory

M12 Connector (Need to purchase separately)

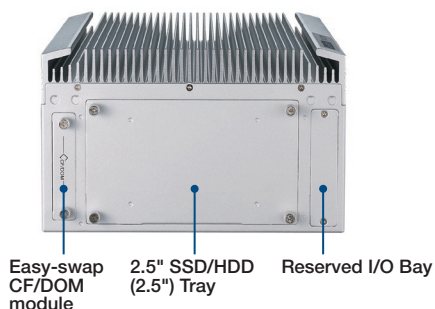
| Advantech P/N | Description |
|---------------|----------------------------------|
| Y5A5730000 | M12 A-coded, 4-pin Female, Power |
| Y5A5730001 | M12 A-coded, 8-pin Male, LAN |
| Y5A5730002 | M12 A-coded, 4-pin Male, USB |

M12 Cable (Need to purchase separately)

| Advantech P/N | Description |
|---------------|--|
| 1700022203-01 | A-coded 4-pin Female to 2-pin European terminal, 10cm, Power cable |
| 1700023142-01 | A-coded 8-pin Male to standard port(Type A), 10cm, USB cable |
| 1700022205-01 | A-coded 4-pin Male to RJ45, 10cm, LAN cable |

I/O View

Front



Rear

