



Intel Atom  
Intel Core 2 Duo  
Intel Pentium Mobile  
Intel Celeron Mobile  
AMD Athlon Duo Core  
AMD Geode  
Via Eden

# AFOLUX Allt-i-Ett Panel-PC med Touch

## 5.6"~19" Multi-functional All-in-One Touch Panel PC

IEI's innovative AFOLUX series is a semi-rugged line of industrial panel PC with IP 64 sealed front panels, and complies with stringent specifications for service automation and for core business related services.



► 15"~19" All-in-One Touch Panel PC



► 8.4"~12.1" All-in-One Touch Panel PC



► 7" wide screen Touch Panel PC



► 5.6"/5.7" Mini-fanless Touch Panel PC



► AFOLUX KIOSK Touch Panel PC



► AFOLUX 12.1" POS Touch Panel PC



► AFOLUX 15" POS Touch Panel PC



## AFL-07A-LX

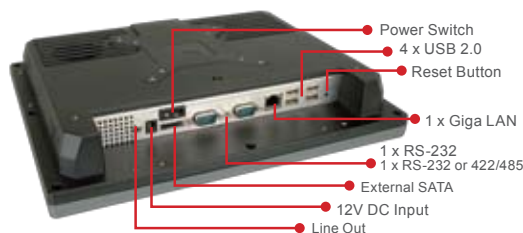
## AFL-07A-CX2



The compact fanless AFL-07A-CX2 model with widescreen high brightness panel is ideal for limited space and better image requirements such as car PCs.

### Fully Integrated I/O

#### AFL-07A-LX



#### AFL-07A-CX2



### Specifications

| Model                           | AFL-07A-LX-R11<br>AFL-07A-LX24V                                                                                                           | AFL-07A-CX2                                                                                                                                                              |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LCD Size                        | 7"                                                                                                                                        | 7"                                                                                                                                                                       |
| Max Resolution                  | 800 * 480                                                                                                                                 | 800 * 480                                                                                                                                                                |
| Brightness (cd/m <sup>2</sup> ) | 350                                                                                                                                       | 350                                                                                                                                                                      |
| Contrast Ratio                  | 400:1                                                                                                                                     | 400:1                                                                                                                                                                    |
| LCD Color                       | 262K                                                                                                                                      | 262K                                                                                                                                                                     |
| Pixel Pitch (mm)                | 0.1905(H) x 0.1905(V)                                                                                                                     | 0.1905(H) x 0.1905(V)                                                                                                                                                    |
| Viewing Angle (H-V)             | 140/110                                                                                                                                   | 140/110                                                                                                                                                                  |
| Backlight MTBF                  | 50000 hrs                                                                                                                                 | 50000 hrs                                                                                                                                                                |
| SBC Model                       | AFLMB-LX800                                                                                                                               | AFLMB-CX2                                                                                                                                                                |
| CPU                             | AMD Geode™ LX 800 (500MHz)                                                                                                                | VIA EDEN 1GHz ULV                                                                                                                                                        |
| Chipset                         | AMD Geode™ LX 800 + AMD Geode™ CS5536                                                                                                     | CX700M                                                                                                                                                                   |
| RAM                             | Supports one 1GB (maximum) 333MHz or 400MHz DDR SO-DIMM                                                                                   | Support one 200-pin 1GB (maximum) 400MHz or 533MHz DDR II SO-DIMM                                                                                                        |
| I/O Ports and Switches          | 1 x RS-232 COM port<br>1 x RS-232/422/485 COM port<br>2 x RJ-45 for 10/100Mbps LAN<br>2 x USB 2.0<br>1 x Power Switch<br>1 x Reset Button | 1 x RS232 COM Port<br>1 x RS232 or 422/485 COM Port<br>1 x RJ-45 for Giga LAN<br>4 x USB 2.0<br>1 x Power Switch<br>1 x Reset Button<br>1 x Power Jack<br>1 x Audio Port |
| SSD                             | CF Type II                                                                                                                                | CF Type II                                                                                                                                                               |
| Watchdog Timer                  | Software programmable supports 1~255 sec. System reset                                                                                    |                                                                                                                                                                          |
| Audio                           | AMP 1.5W + 1.5W                                                                                                                           | AMP 1.5W + 1.5W                                                                                                                                                          |
| Expansion                       | 1 x Mini PCI ( Wireless LAN Module )<br>1 x Bluetooth Module (USB Interface, Bluetooth V2.0)                                              |                                                                                                                                                                          |

### 7" Widescreen WVGA Touch Panel PC

AMD Geode LX-800 500 MHz Processor

### 7" Widescreen WVGA Touch Panel PC

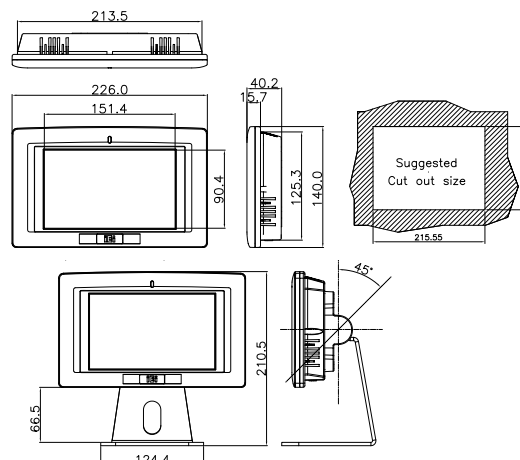
VIA Eden™ 1GHz ULV Processor



### Features

- 7" widescreen WVGA TFT LCD with resistive touch screen
- Compact design with plastic housing
- Fanless cooling system
- System memory up to 1 GB SDRAM
- Built-in 802.11b/g Wireless LAN
- Built-in Bluetooth module
- Built-in two 1.5 W speakers
- One compact flash slot
- IP 64 compliant front panel

### Dimensions (Unit:mm)



|                                                                      |                                                                                             |                                                                                             |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| HDD Drive Bay                                                        | N/A                                                                                         | N/A                                                                                         |
| Optional HSDPA Module (support GSM 850,EGSM 900,DCS 1800 & PCS 1900) | N/A                                                                                         | N/A                                                                                         |
| Construction Material                                                | ABS + PC Plastic front frame                                                                | ABS + PC Plastic front frame                                                                |
| LED Function                                                         | 1 x Power ON/OFF LED on front panel                                                         | 1 x Power ON/OFF LED on front panel                                                         |
| Mounting                                                             | Panel, Wall, Rack, Stand or Arm VESA 75mm x 75mm                                            | Panel, Wall, Rack, Stand or Arm VESA 75mm x 75mm                                            |
| Front Panel Color                                                    | Gray 7539U                                                                                  | Gray 7539U                                                                                  |
| Dimensions (WxHxD) (mm)                                              | 226 x 140 x 41                                                                              | 226 x 140 x 41                                                                              |
| Operation Temperature (°C)                                           | 0°C~50°C                                                                                    | 0~45                                                                                        |
| Storage Temperature (°C)                                             | -20°C~60°C                                                                                  | -20~60                                                                                      |
| Net Weight                                                           | 0.6 Kg                                                                                      | 0.6 kg                                                                                      |
| IP Level (front panel)                                               | IP 64                                                                                       | IP 64                                                                                       |
| EMC                                                                  | CE, FCC, CCC                                                                                | CE, FCC, CCC                                                                                |
| Safety                                                               | UL, CB                                                                                      | UL, CB                                                                                      |
| Touch Screen                                                         | Resistive Type 4-Wire (touch controller IC is on board)                                     | Resistive Type 4-Wire (touch controller IC is on board)                                     |
| Power Adapter                                                        | P/N: 63000-FSP0361AD101C-RS<br>Power: 36W<br>Input: 90VAC~264VAC @ 50/60Hz<br>Output: 12VDC | P/N: 63000-FSP0361AD101C-RS<br>Power: 36W<br>Input: 90VAC~264VAC @ 50/60Hz<br>Output: 12VDC |
| Power Requirement                                                    | 12VDC or 18~30VDC                                                                           | 12VDC                                                                                       |
| Power Consumption                                                    | 20W                                                                                         | 28W                                                                                         |



## ► Ordering Information

| Part Number                 | Description                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AFL-07A-LX/WT-R/256MB-R11   | 7", 350cd/m <sup>2</sup> WVGA fanless panel PC with AMD Geode™ LX 800 CPU, 256MB DDR RAM, 802.11b/g wireless module, Bluetooth module and touch screen, RoHS              |
| AFL-07A-LX/WT-R/512MB-R11   | 7", 350cd/m <sup>2</sup> WVGA fanless panel PC with AMD Geode™ LX 800 CPU, 512MB DDR RAM, 802.11b/g wireless module, Bluetooth module and touch screen, RoHS              |
| AFL-07A-CX2-E10G/WT-R/512MB | 7" 350cd/m <sup>2</sup> WVGA fanless panel PC with VIA Eden 1GHz ULV CPU, 512 MB DDR2 RAM, 802.11 b/g wireless module, touch screen, bluetooth, RoHS                      |
| AFL-07A-LX24V/WT-R/256MB    | 7" 350cd/m <sup>2</sup> WVGA fanless panel PC with AMD Geode™ LX 800 CPU, 256 MB DDR RAM, 18~30VDC Power Input, 802.11 b/g wireless module, touch screen, bluetooth, RoHS |
| AFL-07A-LX24V/WT-R/512MB    | 7" 350cd/m <sup>2</sup> WVGA fanless panel PC with AMD Geode™ LX 800 CPU, 512 MB DDR RAM, 18~30VDC Power Input, 802.11 b/g wireless module, touch screen, bluetooth, RoHS |

## ► ISMM Support Functions

|             | Voltage | Fan | Smart Fan | Temperature | DIO | WDT | Beep | Cash Drawer |
|-------------|---------|-----|-----------|-------------|-----|-----|------|-------------|
| AFL-07A-LX  | V       |     |           | V           |     | V   | V    |             |
| AFL-07A-CX2 |         |     |           |             | V   | V   |      |             |

## ► Options

|                           |            | AFL-07A-LX                             | AFL-07A-CX2        |
|---------------------------|------------|----------------------------------------|--------------------|
| Panel Mounting Kit        |            | AFLPK-08                               |                    |
| Wall Mounting Kit         |            | AFLWK-12                               |                    |
| Rack Mounting Kit         |            | AFLRK-07                               |                    |
| ARM                       |            | ARM-11-RS/ARM-31-RS                    |                    |
| STAND                     |            | STAND-A08<br>STAND-100-RS/STAND-150-RS |                    |
| OS                        | Win CE 5.0 | AFLCF-07-LX-CE-R11                     | AFLCF-07-CX2-CE    |
|                           | Win CE 6.0 | AFLCF-07-LX-CE-CE060                   | AFLCF-07-CX2-CE060 |
|                           | Win XPE    | AFLCF-07-LX-XPE-R11                    | AFLCF-07-CX2-XPE   |
| DC to DC converter module |            | IDD-930160-KIT                         |                    |
| Hybrid Card Reader        |            | AFLP-08AMSI-U                          |                    |
| Magnetic Stripe Reader    |            | AFLP-08AMSR-U                          |                    |
| DC 12V Input UPS          |            | AUPS-A10-R10                           |                    |
| DV 9-36V Input UPS        |            | AUPS-A20-R10                           |                    |

## ► Packing List

| Item                 | P/N                    | Q'ty | Specifications           |
|----------------------|------------------------|------|--------------------------|
| Screws               | 44013-030041-RS        | 4    | M3;ø5mm                  |
| Power Adapter        | 63000-FSP0361AD101C-RS | 1    | 90~264V;12V;36W          |
| Power Cable          | 32000-000002-RS        | 1    | 1750MM,European Standard |
| User's Manual CD ROM | 7B000-000087-RS        | 1    |                          |
| Touch Pen            | XTR104-0002-RS         | 1    |                          |

Note: AFL-07A-LX24V model without power adapter

## ► Application

Small size industrial –grade LCDs are ideal for in-vehicle systems in trucks, public transport vehicles, and police cars. AFL in-vehicle LCDs used in car navigation systems and as monitors for rear-seat entertainment systems are able to withstand vibrations caused by the motion of the vehicle.

