

**AFL2-W21A-H61**

**Intel® Core™ i7/i5/i3 and Pentium® Processor**

IEI designed a completely new model for its new AFOLUX GEN II Panel PCs. AFL2-W21A-H61 with exclusive LED light bar function combining

***Features***

* Two 204-pin DDR3 SO-DIMM slot (system max. 16GB) pre-installed with 4GB (2GB x 2)
* Projected capacitive touchscreen supported
* Wi-Fi 802.11b/g/n high speed wireless
* EM or Mifare RFID reader
* Programmable colorful LED light bar
* Built-in two 3W speakers and microphone
* Auto dimming control
* Light fanless design
* Wide range 9~36 VDC input

# Full HD Second Display Through HDMI Interface

Full-HD 1080p (1920x1080) reacts the resolution of panel, which is a set of high-definition video modes with 1920 of horizontal resolution and 1080 of vertical resolution. Widescreen aspect ratio of 16:9 supports perfect display sight, with brighter digital display.



**1080p**

1920 lines of horizontal resolution supporting a 16:9 ratio to perform perfect display sight.



HDMI

# IEI Customized Expansion

## Standard Connector Type Easy to Design Expansion Module



**Use one system in**

**Video card**

**USB 3.0**

**Ethernet**

**Serial Port**

**HSUPA 3.5G DVB-T/ATSC/Hybrid**

UART

The AFL2-W21A-H61 can customize the expansion board depending on user’s necessary. Customer can choose digital TV, 3G,video capturing…and so on.

## Features

* Reliable board to board connection
* IEI provides ODM service which customize boards of user’s demand.

**different markets!**



**Digital TV**



**3G/3.75G**



**4-Port Video Capture**

Kiosk System Mobile Broadcasting System Surveillance System

***Display System***

***w w w . i ei w or l d .c om***

***Specifications***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | | **AFL2-W21A-H61** | Other Features | EM and Mifare RFID | Optional: EM 125 KHz or Mifare 13.56 MHz card  reader |
| LCD  Specifications | LCD Display | W21.5″ (16:9) |
| LED Light Bar | Programmable R/G/B colorful LED light bar (SMBus Control) |
| Max Resolution | 1920 (W) x 1080 (H) |
| Brightness (cd/m²) | 250 |
| Function Key | 6 x function keys:  Key1 Backlight On/Off Key2 Audio -  Key3 Audio + Key4 Brightness - Key5 Brightness+ Key6 Fn Combinations:  Fn+Key1 RFID Enable/Disable Fn+Key2 Audio Mute  Fn+Key3 Camera Enable/Disable Fn+Key5 Power ON/OFF |
| Contrast Ratio | 1000 : 1 |
| LCD Color | 16.7M |
| Pixel Pitch (mm) | 0.248 mm x 0.248 mm |
| Viewing Angle (H-V) | 170° / 160° |
| Backlight MTBF (Hrs) | 30000 (LED backlight) |
| Touch | Touch Screen | projected capacitive type with USB interface |
| Touch Controller | EETI EXC7200 & EXC5404 |
| System | CPU | Intel® Core™ i7/i5/i3 and Pentium® processors |
| Chipset | Intel® H61 |
| RAM | Support two 204-pin DDR3 SO-DIMM slot (max. 16GB) preinstalled with 4GB (2GB x 2) |
| Infrared | IR receiver 38KHz |
| Storage | 1 x 2.5″ SATA 3Gb/s HDD Bay | Light Sensor | Ambient light sensor for panel brightness adjustment |
| Optical Drive | 1 x Slim Type DVD-ROM bay | TPM | Reserved by pin-header |
| Ethernet | Realtek RTL8111E PCIe GbE controller supporting ASF 2.0 | OS Support | OS Support | Windows Embedded Standard 7 Windows XP Embedded, |
| Audio Codec | Realtek ALC892 HD Audio codec | Connectivity | Wireless | IEEE 802.11b/g/n module Telec certified |
| Audio | Amplifier 3W + 3W | Physical | Construction Material | PC + ABS plastic for front cover and rear cover |
| Webcam &  Microphone | 2-megapixel camera with low light function  Digital Microphone | Mounting | Wall, Stand and VESA 100 mm x 100mm |
| Enclosure Color | Sliver + Black |
| I/O Ports | 2 x RS232 (DB9 Connector)  1 x RS422/485 COM Port (DB9 connector) 2 x GbE LAN (RJ-45 connector)  3 x USB 2.0  2 x USB 3.0  1 x HDMI  1 x VGA port (DB-15 Connector) 1 x Power switch  1 x Reset button 1 x AT/ATX switch  1 x Clear CMOS button 1 x Type K  1 x 9~36V DC jack 1 x Line out  1 x Mic |
| Dimension (mm) | 546.85 (W) x 345.82 (H) x 70.35 (D) |
| Weight (Net/Gross) | 8.27 Kg / 11.27 Kg |
| Enviornment | Operating Temperature  (with air flow) | -10°C ~ 50°C |
| Storage Temperature | -20°C ~ 60°C |
| Humidity | 10% to 90% (non-condensing) |
| IP Level | IP 64 compliant front panel |
| Safety and EMC | CE & FCC |
| Power | Power Adapter | 120W power adapter  Input: 100 V AC ~ 240 V AC, 50 / 60Hz,  Output: 19 V DC |
| Expansion Interface | 1 x PCIe Mini for Wi-Fi Module  1 x PCIe Mini reserved | Power Input | 9 ~ 36V DC-IN |
| Power Consumption | [19V@3.82A](mailto:19V@3.82A) (Intel® Core™ i3-2120T processor with  4GB DDR3 memory) |
| Cooling System | Light Fanless |

***Ordering Information***

|  |  |  |
| --- | --- | --- |
| **LED Bar** | **Model** | **Description** |
| **LED Bar** | AFL2-W21A-H61-i5/PC-R11 | 21.5” 250cd/m² FHD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, R11 |
| AFL2-W21A-H61-i3/PC-R11 | 21.5” 250cd/m² FHD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, R11 |
| AFL2-W21A-H61-P/PC-R11 | 21.5” 250cd/m² FHD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, R11 |
| **Without LED Bar** | AFL2-W21AB-H61-i5/PC-R11 | 21.5” 250cd/m² FHD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, without LED bar, R11 |
| AFL2-W21AB-H61-i3/PC-R11 | 21.5” 250cd/m² FHD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, without LED bar, R11 |
| AFL2-W21AB-H61-P/PC-R11 | 21.5” 250cd/m² FHD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 4GB DDR3 (2GB x 2), 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, without LED bar, R11 |

***Options***

|  |  |
| --- | --- |
| **Item** | **AFL2-W21A-H61** |
| Panel Mount Kit | AFL2PK-W21A |
| Wall Mounting Kit | AFLWK-19B |
| Stand | STAND-A21-R10 |
| ARM | ARM-31-RS |
| Slim DVD Burner Installation Kit  (Including SATA Cable) | AFL2-DVD-KIT01-R10 |
| Magnetic Stripe Reader | AFL2P-W21AMSR-U-R10 |
| Trusted Platform Module (TPM) | TPM-IN01-R11 |
| EM RFID Reader | AFL2-EM-RFID-KIT01-R10 |
| Mifare RFID Reader | AFL2-MF-RFID-KIT01-R11 |
| OS: Windows® XP Embedded (CD-ROM) | AFL2-W21-H61-XPE-R11 |
| OS: Windows® Embedded Standard 7  (DVD-ROM) | AFL2-W21-H61-WES7P-R11 |
| Temperature Sensor Cable | 32133-004300-100-RS |

***Packing List***

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **P/N** | **Q'ty** | **Description** |
| Utility CD | 7B000-000952-RS | 1 | drivers and user manual |
| One Key Recovery CD | 7B000-000781-RS | 1 |  |
| Power Adapter | 63040-010120-210-RS | 1 | FSP120-AAB ; 90~264VAC input ; 120W ; 19VAC output (Meet PSE) |
| Power Cord | 32702-000401-100-RS | 1 | European, 1500mm |
| Power Transfer Cord | 32000-089400-RS | 1 |  |
| Infrared Remote Controller | 7Z000-SLPCB005-RS | 1 |  |
| M3 Screw Pack | 44013-030041-RS | 4 | M3 x 4 for securing HDD |
| M4 Screw Pack | 44033-040061-RS | 4 | M4 x 4 for VESA screw |

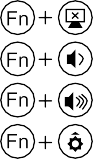
***Fully Integrated I/O***

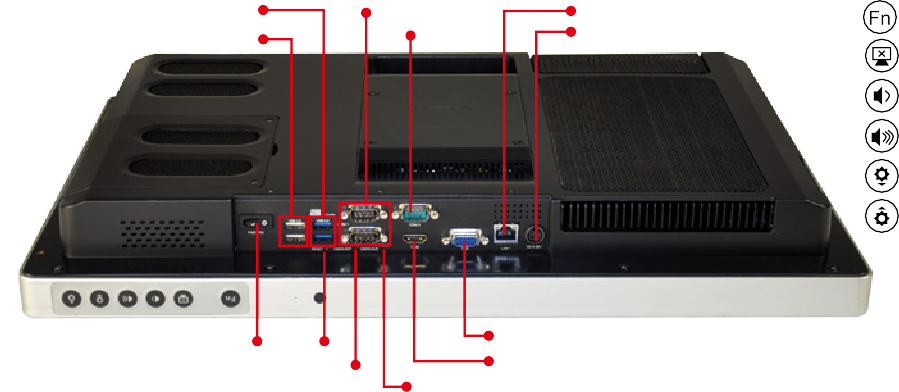
**Fn**

**Backlight On/Off Audio -**

**Audio + Brightness - Brightness +**

**RFID Enable/Disable Audio Mute**

**Camera Enable/Disable Power On / Off**



2 x USB 3.0

2 x USB 2.0

2 x RS-232

RS-422/485

LAN

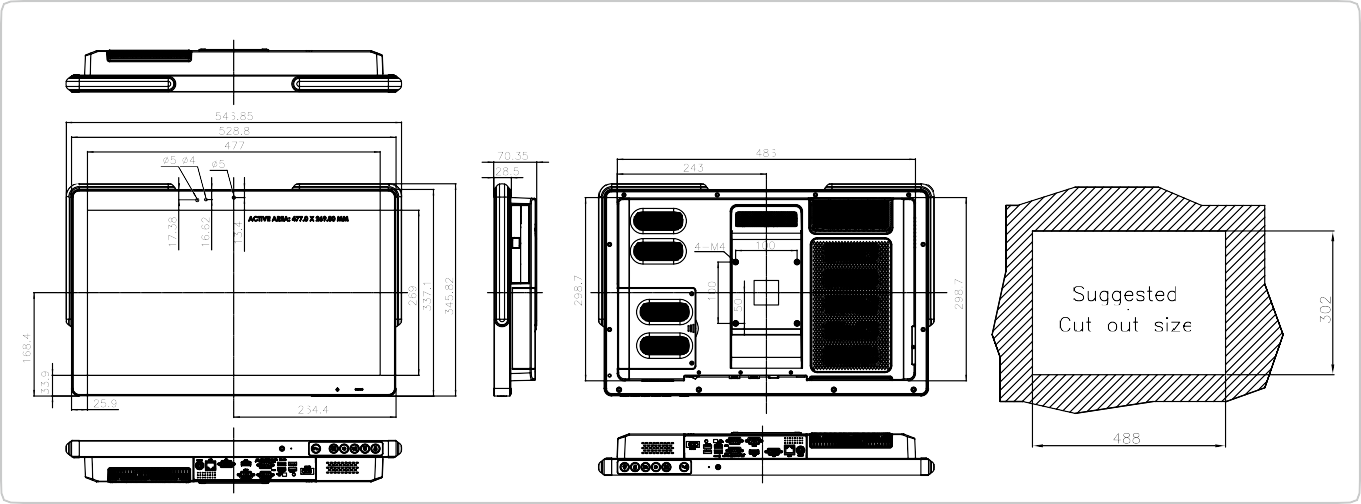
9-36V DC Jack

Power Switch Reset

Clear CMOS

VGA HDMI

AT/ATX Switch



***AFL2-W21A-H61***

***Dimensions (Unit: mm)***