

# ELIT-1210

Digital Signage Player with 3rd Generation AMD R-Series SoC (Merlin Falcon)



## Features

- Fanless and Compact Design
- Low Cost and High Reliability
- Support Triple-display for 1 x HDMI and 2 x DisplayPorts
- Support one channel 4K (UHD) Display
- 2 x USB3.0, 6 x USB2.0 supported
- One NGFF connector (2230) for Wireless
- DirectX 12 supported
- RTC Wakeup supported
- Operating Temperature: 0 ~ 55°C

## System

|                |                                                                                |
|----------------|--------------------------------------------------------------------------------|
| CPU            | Onboard 3rd Generation AMD R-Series SoC<br>RX-216GD Dual Core 1.6 GHz, 15W TDP |
| Memory         | 2 x 260-pin DDR4 SO-DIMM sockets, supporting<br>2133MHz SDRAM up to 16GB       |
| Chipset        | AMD Integrated SoC                                                             |
| Graphics       | Integrated AMD Radeon R5 Series                                                |
| ATA            | 1 x mSATA                                                                      |
| LAN Chipset    | 1 x RJ-45, 10/100/1000 Base-T                                                  |
| Watchdog Timer | 1~255 levels reset                                                             |

## I/O

|               |                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------|
| Serial Port   | 1 x RS-232 port w/ DB-9 male connector                                                                                  |
| USB Port      | 2 x USB 3.0 ports<br>6 x USB 2.0 ports(2 x front, 4 x rear)                                                             |
| LAN           | 1 x RJ-45 ports for GbE<br>1 x Fiber optic LAN                                                                          |
| Video Port    | 1 x HDMI female connector for Digital Video<br>output<br>2 x DisplayPort female connectors for Digital<br>Video outputs |
| Audio         | 1 x Line-out, 1 x Mic-in                                                                                                |
| Expansion Bus | 1 x M.2 (NGFF) E Key 22 x 30 mm (2230)<br>for optional Wi-Fi/Bluetooth module                                           |
| TPM           | TPM 2.0                                                                                                                 |

## Environmental

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Operating Temp.    | 0 ~ 55°C (32 ~ 131°F), ambient w/ air flow            |
| Storage Temp.      | -10 ~ 65°C (14 ~ 149°F)                               |
| Operating Humidity | 10 ~ 95% @ 55°C (non-condensing)                      |
| Vibration          | 3 Grms/5~500Hz/random operation                       |
| Shock              | Operating 40G (11ms), Non-operating 80G with<br>mSATA |

## Qualification

|               |                 |
|---------------|-----------------|
| Certification | CE, FCC Class A |
|---------------|-----------------|

## Power Requirement

|                   |                               |
|-------------------|-------------------------------|
| Power Input       | DC 12V input                  |
| Power Consumption | Max. 40W                      |
| Power Management  | RTC wakeup timer configurable |

## Storage

|      |           |
|------|-----------|
| Type | 1 x mSATA |
|------|-----------|

## Mechanical

|                           |                                           |
|---------------------------|-------------------------------------------|
| Construction              | Aluminum + SGCC                           |
| Mounting                  | Wall-mount & VESA-mount                   |
| Weight                    | TBD                                       |
| Dimensions<br>(W x H x D) | 193 x 51 x 151 mm (7.60" x 2.01" x 5.95") |

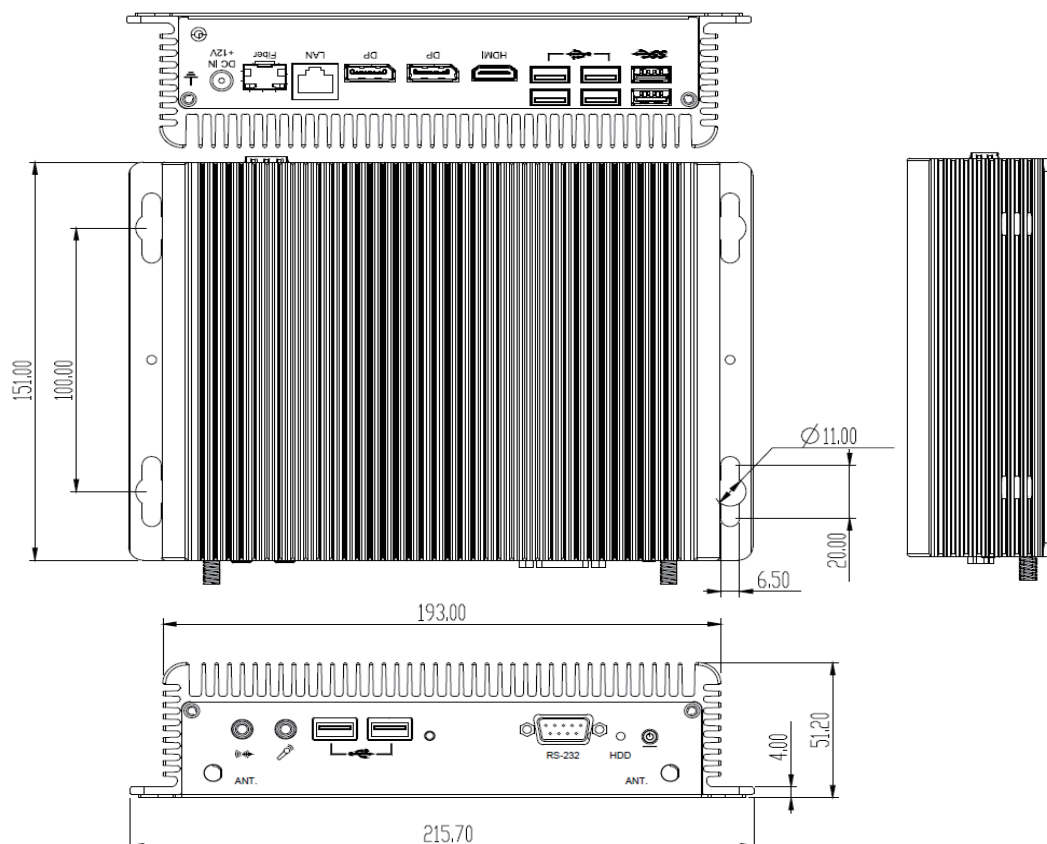
## OS Support

|               |
|---------------|
| Windows10 IoT |
|---------------|

## Ordering Information

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| ELIT-1210 | Digital Signage Player by AMD RX-216GD SoC,<br>w/o Memory and Storage |
|-----------|-----------------------------------------------------------------------|

## Dimensions



### Optional Accessories

PAC-P060W-01 12V/5A 60W AC/DC adapter kit



VMK-1000 VESA mount kit for ELIT series



### Optional Configuration (CTOS\* Kit)

32GB SSD mSATA MLC 32GB



64GB SSD mSATA MLC 64GB



MM-4C-4G DDR4-2133 4GB SDRAM



MM-8C-4G DDR4-2133 8GB SDRAM

WiFi-AM1550 1 x AMPAK,AP6356SDPB M.2 WiFi module w/ 2\*30cm internal wiring



ANT-D11 1 x Wi-Fi dual-band 2.4G/5G antenna



\*CTOS means Configure-to-Order Service.

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