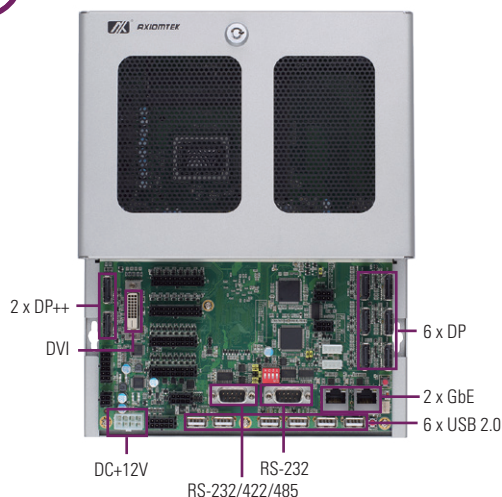


# AGP300-136

AMD® Embedded R-Series SoC Gaming Platform

**NEW**



## Features

- High performance AMD platform
- 10 years life-span
- GLI verified TrustedBoot and TrustedData
- Easy installation and gaming library integration
- Advanced security
- Up to 9 displays output



### System

|                       |   |
|-----------------------|---|
| CPU                   | AMD® Embedded R-Series SoC, G-Series I Family SoC, FP4 BGA  |
| Memory                | 2 x DDR4 SO-DIMM up to 2400MHz max. up to 32 GB   |
| BIOS                  | AMI -uEFI<br>TrustedBoot, secure hash and public key algorithm validation   |
| Watchdog timer        | 1 sec. ~ 255 mins.  |
| Power Input           | DC +12V   |
| Dimension             | 210 mm (W) x 270 mm (D) x 70 mm (H)   |
| Operating Temperature | 0°C ~ +40°C (32°F ~ 104°F)  |
| Humidity              | 10% ~ 90%, non-condensing   |
| Security              | TPM engine<br>- Unique key<br>- RSA2048 and AES256 hybrid encryption<br>- Library, demo program, sample code provided |

### I/O

|                  |  |
|------------------|--|
| USB              | 1 x USB 3.0 (internal)<br>6 x USB 2.0  |
| Serial Interface | 2 x RS-232 DB9 (1 x RS-422/485 configurable)<br>3 x RS-232 (1 x ID003, 2 x ccTalk configurable)<br>2 x RS-232 (hardware 9-bit supported) |
| Audio            | HD audio 5.1 channel Line-out or stereo 6W + 6W audio amplified output   |
| Storage          | 2 x SATA III, SATADOM supported  |
| Ethernet         | 2 x GbE  |

### Gaming Function

|                     |   |
|---------------------|---|
| Intrusion Detection | 8 x intrusion detection (2 x internal, 6 x external)<br>Operates with and without AC Power<br>Logs date/time of last 200 events |
| Digital Input       | 32 x protected input<br>4 x dip switch  |
| Digital Output      | 29 x 500mA/30V OC output (8 x meter configurable)<br>3 x 3A/30V OC output   |
| NVRAM               | 4MBytes NVRAM (2/8MBytes optional)<br>TrustedData, hardware bank mirroring and CRC  |
| Software Support    | Library, demo program, sample code provided   |

### Display

|           |   |
|-----------|---|
| Graphic   | AMD Radeon™ HD10000 Series<br>DirectX® 12, OpenGL® 4.2, and OpenCL™ 1.2<br>MXM 3.0 Type A supported |
| Interface | 2 x DP++<br>1 x DVI-D<br>Up to additional 6 x DP via MXM 3.0 graphic card                           |

### Software & Technology

|    |   |
|----|---|
| OS | Windows® 7, 8.1<br>Linux kernel 3.x and above version |
|----|---|

### Ordering Information

|                |   |
|----------------|---|
| AGP300-136-421 | AMD® Embedded R-Series SoC gaming platform with RX-421 quad-core APU, 2 x DP++, DVI-D, 7 x USB            |
| AGP300-136-216 | AMD® Embedded R-Series SoC gaming platform with RX-216 dual-core APU, 2 x DP++, DVI-D, 7 x USB            |
| AGP300-136-217 | AMD® Embedded G-Series I Family SoC gaming platform with GX-217GI dual-core APU, 2 x DP++, DVI-D, 7 x USB |