IBASE / AMD
2012 Product Catalog
AMD EMBEDDED CPU VS MOTHERBOARD

DIGITAL SIGNAGE
GAMING
MEDICAL
AUTOMATION
IN-VEHICLE INFOTAINMENT
POS / KIOSK
NETWORKING
SECURITY

WWW.iBASE-USA.COM
IBASE TECHNOLOGY INC.

Founded in 2000, IBASE is the brainchild of a group of experienced engineers who have been exposed to the industrial PC sector for many years. Given its specialization in the design, production, sales and marketing of IPCs, IBASE won ISO 9001 quality assurance in December 2001 and ISO 13485 medical certification in February 2009. IBASE specializes in OEM/ODM services tailoring products to customers’ requirements. Its product mix covers single board computers, industrial motherboards, CPU modules, barebone systems, network appliance and digital surveillance systems for different applications in the gaming, entertainment, automation, medical, networking and security markets.

PRODUCTS & SERVICES

Aside from the standard board system products that IBASE offers, IBASE also provides ODM and design services in computer hardware, software and packaging encompassing industrial and digital surveillance designs in various fields and applications. IBASE tailors its services to meet customers’ requirements, while providing technical research and R & D expertise, in order to offer one-stop shopping services to our clients.

MANUFACTURING

Manufacturing and quality control of IBASE products are carried out in our own production facilities that are certified by ISO 9001 quality management systems. Most production engineers have over 10 years of technical expertise in IPC manufacturing. Equipped with the most advanced production and quality testing equipment in a static-free environment, the facilities have been qualified by world-class IT companies.

RESEARCH & DEVELOPMENT

IBASE’s R&D team is composed of talented hardware and software engineers 50% with over 10 years and 45% with 5 to 10 years of experience in their respective fields. Because of the expertise accumulated through the years, our R&D team is able to design and create new products that meet the latest demands in new products in the market. Furthermore, they have worked with ODM/OEM companies to design and manufacture IPC products, faithfully delivering according to customer’s specific requirements within a short period.

OUR COMMITMENT

“Teamwork, innovation, efficiency, services” - these are the corporate cornerstones of IBASE. They hold the key to IBASE’s extraordinary competitiveness and continuous growth. IBASE believes it is set to emerge as one of the global big names in the IPC community. IBASE operates through a dynamic team based on mutual trust and professionalism, sharing company successes to every individual. With this in mind, the team commits itself to persistently provide customers with products and services of the highest quality and competitiveness and achieve a win-win solution.
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Profile</td>
<td></td>
</tr>
<tr>
<td>OEM / ODM Capabilities</td>
<td>4-5</td>
</tr>
<tr>
<td>Application Ready Solutions</td>
<td>6-7</td>
</tr>
<tr>
<td>Featured Products</td>
<td>8-13</td>
</tr>
<tr>
<td><strong>FEATUREED MOTHERBOARDS</strong></td>
<td>8</td>
</tr>
<tr>
<td>MOTHERBOARDS</td>
<td>9</td>
</tr>
<tr>
<td><strong>FEATURED EMBEDDED SYSTEMS</strong></td>
<td>12</td>
</tr>
<tr>
<td>EMBEDDED SYSTEMS</td>
<td>13</td>
</tr>
<tr>
<td><strong>Product Matrix Selection Guide</strong></td>
<td>14-19</td>
</tr>
<tr>
<td>MINI-ITX MOTHERBOARD</td>
<td>14</td>
</tr>
<tr>
<td>DISK-SIZE SBC</td>
<td>16</td>
</tr>
<tr>
<td>EMBEDDED SYSTEMS</td>
<td>17</td>
</tr>
<tr>
<td>CPU MODULES</td>
<td>19</td>
</tr>
</tbody>
</table>
IBASE has successfully executed many projects for various global enterprises. These global partnerships have positioned IBASE as one of the main OEM/ODM suppliers in the IPC industry. With highly experienced and capable engineers in hardware and firmware, IBASE always designs the best possible solutions to meet customers' unique requirements not only in features, but also in terms of flexibility and time-to-market. IBASE’s agile manufacturing teams and efficient administrative staff will always ensure customers receive quality products.

**OFF THE SHELF**

**0 DAY**

With a comprehensive line of over 200 existing industrial board designs, we can offer an appropriate off the shelf solution that meets your needs.

**CUSTOM ETX OR COM EXPRESS BASEBOARD**

**40 DAYS**

Most of the more challenging applications can be met with a custom ETX or ComExpress baseboard. This approach reduces development costs, while permitting easy processor upgrades with industry standard CPU modules.

**FEATURE REMOVE / ADDITION**

**30 DAYS**

If an existing offering is close to being ideal, but requires some minor changes, we would welcome the opportunity to make the desired changes.

**CLEAN SHEET MOTHERBOARD**

**88 DAYS**

If the application demands a completely custom board to be designed, we can deliver the 1st PCB prototype within 40 days and commence production in 88 days.
Custom Design Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit Design</td>
<td>10 days</td>
</tr>
<tr>
<td>Placement &amp; Layout</td>
<td>21 days</td>
</tr>
<tr>
<td>1st PCB Sample</td>
<td>7 days</td>
</tr>
<tr>
<td>Board Assembly</td>
<td>5 days</td>
</tr>
<tr>
<td>Debug &amp; Testing</td>
<td>16 days</td>
</tr>
<tr>
<td>Layout Modification</td>
<td>3 days</td>
</tr>
<tr>
<td>2nd PCB Sample</td>
<td>7 days</td>
</tr>
<tr>
<td>Board Assembly</td>
<td>5 days</td>
</tr>
<tr>
<td>Debug &amp; Testing</td>
<td>14 days</td>
</tr>
<tr>
<td>Final Sample &amp; Pilot Run</td>
<td></td>
</tr>
</tbody>
</table>

**Total Design to Production Cycle:** 88 days

**Value-added services**

- **CUSTOM PRODUCTION MOQ**
  - 200 Pieces (OEM)
  - 300 Pieces (ODM)

- **ENGINEERING HEADCOUNT**
  - 60+

- **ODM CUSTOMER BASE**
  - Casino Gaming, Network Security
  - Appliance, Handheld Device
  - Military, Industrial automation
  - Medical, Vehicular

- **PRODUCTION CAPACITY**
  - 75,000 Boards per month
  - (45,000 in-house)

- **STANDARD PRODUCT WARRANTY**
  - 2 Years - Motherboard
  - 1 Year - System
Application Ready Solutions

DIGITAL SIGNAGE
Digital signage enables a business to effectively communicate with the customer by providing prominent, timely and cost-effective customized messages. Digital signage solution is widely used in shopping malls, airports and complexes where customers are attracted by bright and shiny electronic screens. Its role in information, advertising and entertainment is being recognized by more and more retailers. IBASE’s solution for digital signage application includes Disk-Size SBC, Mini-ITX and embedded systems that support superior graphic and multi display functions.

Advantages:
- Small dimensions - module height fits comfortably behind displays
- Supports multi-display
- High-speed Gigabit Ethernet

GAMING
The overall gaming industry is experiencing tremendous growth. IBASE’s gaming solution is aimed to be the engine of the latest video slot machines worldwide, supporting brilliant 3D graphics, massive volume of interactive game data, various gaming interfaces and features you expect in gaming machines including touch screen, digital stereo sound, multiple game variations and progressive-ready software. Our custom packages provide long-term, short-term or intermittent hands-on tactical support based on the needs of each customer.

Advantages:
- Multi-display for high performance 3D graphics
- Easy maintenance and upgrade
- Complete security solutions

POS / KIOSK
The overall gaming industry is experiencing tremendous growth. IBASE’s gaming solution is aimed to be the engine of the latest video slot machines worldwide, supporting brilliant 3D graphics, massive volume of interactive game data, various gaming interfaces and features you expect in gaming machines including touch screen, digital stereo sound, multiple game variations and progressive-ready software. Our custom packages provide long-term, short-term or intermittent hands-on tactical support based on the needs of each customer.

Advantages:
- Supports dual display
- Multi-COM and USB ports
- Expandable I/O for touch screen display

MEDICAL
Medical equipment is designed to aid in the diagnosis, monitoring or treatment of medical conditions. The medical equipment and supplies sector includes surgical and medical instruments; x-ray apparatus, tubes and related irradiation apparatus; electro-medical and eletro-therapy apparatus; ophthalmic equipment, etc. These devices are usually designed with rigorous safety standards. IBASE is an ISO 13485 certified company and manufactures long-life and reliable CPU cards and single board computers that operate under harsh conditions.

Advantages:
- Rugged design for operation under harsh conditions
- Revision control for boards
- Long-term reliability and high performance
Applications used on network appliances typically are housed on a Web server accessed by the appliance. Network appliances are used to ease remote management and cut costs. Security Management for networks is different for all kinds of situations. A small home or an office would only require basic security while large businesses will require high maintenance and advanced software and hardware to prevent malicious attacks from hacking and spamming. IBASE’s networking solutions support LAN bypass functions with fanless and Intel-based high performance rackmount for high-bandwidth data communication.

**IN-VEHICLE INFOTAINMENT**

Infotainment systems and services are becoming increasingly popular with vehicle owners and look set to be one of the major automotive growth areas in the future. The aftermarket has led the way in the in-vehicle infotainment market thus far, because its speedy reactions to innovations have enabled early adopters to purchase more sophisticated products that vehicle manufacturers are prepared to offer in their cars. IBASE’s infotainment solutions provide voice-controlled connectivity for mobile devices and expandable into multimedia, internet and navigation devices.

**AUTOMATION**

Many key tasks in the manufacture of products, including inspection, orientation, identification and assembly, require the use of automation techniques. Factory automation systems can perform repetitive tasks faster, more accurately and with greater consistency over time than humans. IBASE’s CPU cards, ATX motherboards and fanless systems help you to build a performance machine to accelerate the speed and quality of manufacturing.

**NETWORKING**

Applications used on network appliances typically are housed on a Web server accessed by the appliance. Network appliances are used to ease remote management and cut costs. Security Management for networks is different for all kinds of situations. A small home or an office would only require basic security while large businesses will require high maintenance and advanced software and hardware to prevent malicious attacks from hacking and spamming. IBASE’s networking solutions support LAN bypass functions with fanless and Intel-based high performance rackmount for high-bandwidth data communication.

**SECURITY**

IVS (Intelligent Video Surveillance) is a technology that is used to analyze video for specific event (e.g. tripwire), behavior (e.g. loitering), and objects (e.g. car/people counting). It has a wide range of applications including safety and security. IVS algorithms can be integrated with Digital Video Recorder (DVR) that run on embedded computers. IVS enabled system can save labor, cut cost, and achieve higher security. IBASE has put together IVS and DVR, and made the emerging technology a reality for many security applications.
### Featured Motherboards

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
</table>
| **MI958** | AMD G-Series APU Mini-ITX Motherboard with AMD A55E Chipset | • Supports AMD G-Series T56N / T48N / T40N processors, up to 1.65GHz  
• 2 x DDR3 DIMM, Max. 16 GB  
• 2 x PCI-E Gigabit LAN  
• Supports Dual Display  
• Watchdog Timer, HD Audio  
• 4 x SATA III, 8 x USB 2.0, 4 x COM  
• 1 x PCI, 1 x PCI-E(x1), 1 x Mini PCI-E(x1) |
| **MI959** | AMD R-Series Mini-ITX Motherboard with AMD A70M FCH | • Supports AMD R-Series Socket, up to 3.1GHz processors  
• 2 x DDR3 SO-DIMM, Max. 16 GB  
• iSMART - for EuP/ErP Power Saving, Auto-Scheduler and Power Resume  
• 2 x PCI-E Gigabit LAN  
• Watchdog Timer, Digital I/O  
• 5 x SATA III, 6 x COM  
• 4 x USB 3.0, 4 x USB 2.0  
• 1 x PCI-E(x16), 2 x Mini PCI-E(x1) |
| **EB900** | AMD G-Series Dual-Core APU with AMD A50M Chipset | • AMD G-Series Dual-Core APU (Accelerated-Processing Unit) up to 1.65GHz  
• Supports DDR3 1333MHz memory, up to 4GB  
• AMD Radeon HD6320 Series GPU in APU  
• 2 x USB 2.0, 1 x Gbe LAN (RJ45), 1 x RS232, Serial Port(RJ45), 1 x mPCI-E(x1) Slot  
• 1 x Hybrid-DVI, Supports up to 2 Displays  
• Watchdog timer, Digital I/O |
### Motherboards

**MI930**  
Socket AM2 AMD Athlon™ 64 Mini-ITX Motherboard with AMD M690E Chipset

- Supports Socket AM2 for AMD Athlon™ 64 / Athlon™ 64 X2 / Sempron™, up to 2.8GHz
- 2 x DDR2 DIMM, Max. 4GB
- AMD M690E built-in Radeon X1200 VGA for CRT, TV out, DVI and LVDS (dual display)
- 2 x Marvel 88E8052 PCI-E Gigabit LAN
- 2 x SATA II, 2 x COM, 6 x USB, optional 4 x COM
- Watchdog timer, Digital I/O, 1 x PCI slot

**MI932**  
Socket AM2 AMD Athlon™ 64 Mini-ITX Motherboard with AMD M690E Chipset

- Supports AMD Geode LX, 433MHz (LX700) / 500MHz (LX800)
- 1 x DDR DIMM, Max. 1GB
- 1 x or 2 x Realtek RTL8100C 10/100 Mbps LAN
- Integrated LX800/LX700 2D VGA controller, supports CRT and TFT/LVDS LCD display
- 4 x USB 2.0, 4 x COM, CF socket
- Watchdog timer, Digital I/O
- 1 x PCI, 1 x Mini-PCI

**MI933**  
AMD Sempron™ Mini-ITX Motherboard with AMD M690E Chipset

- Supports AMD Sempron™ processor, 800MHz FSB
- 1 x DDR2 DIMM, Max. 2GB
- AMD M690E built-in Radeon X1200 for CRT
- Dual DVI on board, dual view supported
- 2 x Realtek PCI-E Gigabit LAN
- 2 x SATA-II, 8 x USB 2.0, 2 x COM, 1 x PCI
- +12V DC in, optional LPC TPM

**MI952**  
AMD Athlon X2 Mini-ITX Motherboard with AMD 780E Chipset

- Supports AMD Athlon™ 64 X2 / Athlon™ 64/ Sempron™, up to 2.2GHz processors
- AMD 780E with built-in Radeon HD3200 internal graphics
- With DVI-I, DVI-D and HDMI display interface
- Two Realtek RTL8111C PCI-E Gigabit LAN
- 4 x COM, 8 x USB, 2 x SATA II
- Watchdog timer, Digital I/O
- 1 x PCI-E (x16) expansion slot

**EB850**  
AMD Athlon™ II Neo™ COM Express CPU Module with AMD 785E Chipset

- AMD Athlon™ II Neo / Turion™ II Neo™ Processor on board, up to 2.2 GHz
- 1 x DDR3 SO-DIMM, up to 4GB
- Integrated VGA, supports CRT and LVDS
- Watchdog Timer, High Definition Audio
- 2 x SATA III, 1 x GbE, 8 x USB, 4 x COM

**ET855**  
AMD Athlon™ II Neo™ COM Express CPU Module with AMD 785E Chipset

- AMD Athlon™ II Neo / Turion™ II Neo™ Processor on board, up to 2.2 GHz
- 2 x DDR3-1333 SO-DIMM, Max. 8GB
- Integrated VGA, supports CRT and LVDS
- Watchdog Timer, High Definition Audio
- 2 x SATA III, 1 x GbE, 8 x USB, 4 x COM
**Motherboards**

**IB520**
AMD Geode LX 3.5” Disk Size SBC

- Supports Embedded AMD Geode LX processors, 433MHz (LX700) / 500MHz (LX800)
- 1 x DDR SO-DIMM, Max. 1GB
- Realtek RTL8100C 10/100 BaseT LAN
- Integrated LX800 / LX700 2D VGA controller, Supports CRT and TFT LCD display
- Watchdog timer, Digital I/O
- 1 x PCI-104, optional PCMCIA connector

**IB530**
AMD Geode LX3.5” Disk Size SBC with AMD CS5536 Chipset

- Supports Embedded AMD Geode LX processors, 600MHz (LX900), 500MHz (LX800), 433MHz (LX700)
- 1 x DDR SO-DIMM, Max. 1GB
- 2 x Realtek RTL8100C 10/100BaseT LAN
- Integrated LX800/ LX700 2D VGA controller, Supports CRT and LVDS
- 4 x USB 2.0 ports, 4 x COM, slim FDD, PCI to ISA bridge, hardware monitoring
- Watchdog timer, Digital I/O

**IB550**
AMD Geode LX 3.5” Disk Size SBC with AMD CS5536 Chipset

- Supports Embedded AMD Geode LX processors, 500MHz (LX800)
- 1 x DDR SO-DIMM, Max. 1GB
- Realtek RTL8100C 10/100 BaseT LAN
- Integrated LX800 2D VGA controller, supports CRT and TFT LCD display
- 4 x USB 2.0, 4 x COM, 2x SATA, 1x CF socket
- Watchdog timer, Digital I/O
- 1 x PCI-104, optional PCMCIA connector

**IB704**
AMD Geode LX PC/104 Plus CPU Module with AMD CS5536 Chipset

- Supports Embedded AMD Geode LX processors, 433MHz (LX700) / LX800 (500MHz)
- 1 x DDR SO-DIMM, Max. 1GB
- Realtek RTL8100C 10/100 BaseT LAN
- Integrated LX800/LX700 2D VGA controller, supports CRT and LVDS
- 4 x USB 2.0, 2 x COM
- Watchdog timer, Digital I/O
- 1 x PCI-104, optional PCMCIA connector

**IB885**
AMD Sempron™ 3.5” Disk Size SBC with AMD M690E Chipset

- Supports AMD Sempron™ 200U/210U processors, 1GHz/1.5GHz, 800MHz FSB
- 1 x DDR2 SO-DIMM, supports up to 2GB
- AMD M690E VGA for CRT / LVDS / DVI
- 2 x Realtek PCI-E Gigabit LAN
- 1 x SATA II, 4 x USB 2.0, 2 x COM
- Watchdog timer, Digital I/O
- LPC, Smart battery interface

**IB889**
AMD Athlon™ II Neo™ 3.5” Disk Size SBC with AMD 785E Chipset

- AMD Thelon™ II Neo / Turion™ II Neo™ processors onboard, up to 2.2GHz
- 1 x DDR3 SO-DIMM, up to 4GB
- Integrated HD4200, supports DVI and LVDS
- 2 x PCI-E Gigabit LAN
- 2 x SATA III, 6 x USB, 2 x COM
- Watchdog timer, Digital I/O
- LPC, Smart battery interface
Do More. With Less.

The bottom line? You cannot “Do More with Less” unless you find out what more means. As a leader in digital signage solutions, iBASE knows exactly what you need. Our iBASE award-winning Signature Book™ SI-38, a 1-Inch thick digital signage system, is powered by the AMD Embedded R-Series APU which integrates a Quad-Core CPU and 384-Core Radeon™ HD 7660G GPU into a 35W die. With AMD’s Technology, the SI-38 lowers your solution cost and power consumption without compromising graphics performance.

Signature Book™ Series: SI-38

Be part of iBASE’s Innovation
Visit our website for a complete list of our Award-Winning Products

Visit Website: iBASE-USA.com
Call us: +1.800.292.4500
E-mail: sales@iBASE-USA.com
## Featured Embedded Systems

### Signature Book™

**SI-08**
AMD G-Series Dual-Core APU with Radeon™ 6320 GPU Fanless Digital Signage Player

- Fanless and compact design for digital signage application
- Integrated 80 Core GPU in processor
- AMD Embedded G-Series APU processor
- Supports DDR3 1333MHz up to 4GB
- 1 x Half-Size Mini PCI-E(x1) slot for WiFi/Bluetooth/TV Tuner (Optional)
- iSMART - Auto-Scheduler and Power Resume
- 1 x Hybrid DVI-I Display Output (w/Audio)
- Dimensions: 7.87”(W) x 5.9”(D) x 1.37”(H); 200mm(W) x 150mm(D) x 34.8mm(H)

**SI-18**
AMD G-Series Dual-Core APU with Radeon™ 6320 GPU Palm-Size Digital Signage Player

- Palm-Size, compact design for digital signage application
- Integrated 80 Core GPU in processor
- AMD Embedded G-Series APU processor
- Supports DDR3 1333MHz up to 4GB
- 1 x Half-Size Mini PCI-E(x1) slot for WiFi/Bluetooth/TV Tuner (Optional)
- iSMART - Auto-Scheduler and Power Resume
- 1 x Hybrid DVI-I Display Output (w/ Audio)
- Dimensions: 4.92”(W) x 4.92”(D) x 1.42”(H); 125mm(W) x 125mm(D) x 36mm(H)

**SI-24SD**
AMD M690E with ATi E2400 Based Book-Size Digital Signage Player

- Ultra slim (1”) and compact chasis for digital signage application
- 2 x DVI-I ports support dual display
- Onboard AMD Athlon™ Neo X2 Dual-Core Processor
- Segregated ventilation flow design keeps electronics free of dust and contaminants for reliability
- Magnetic levitation bearing fans
- Onboard ATi Radeon™ E2400, 128MB GDDR3

**SI-28T**
AMD 780E with ATi E4690 Based Book-Size Digital Signage Player

- Quad 1080p HDMI display outputs
- AMD Athlon II™ X2/X4 up to 45W
- AMD 780E chipset with Dual Channel DDR2 800 MHz memory
- ATi Radeon™ E4690, 512MB GDDR3
- AMD 780E integrated ATi Radeon™ HD 3200 graphics
- 2 x Full-Size Mini PCI-E(x1) slots
- Dual Serial Ports (RS232/422/485 capable)
- Dimension: 9.84”(W) x 8.27”(D) x 1.38”(H); 250mm(W) x 210mm(D) x 35mm(H)

**SI-38**
AMD Embedded R-Series Quad-Core APU Book-Size Digital Signage Player

- 1-Inch Thick, Ultra Slim Design
- Die-Cast Aluminum Thermal Frame
- Dual DVI-I supports HD1080 displays
- AMD R-Series Quad-Core 2.3GHz / Dual-Core 2.7GHz APU, up to 35W
- Segregated ventilation flow design keeps electronics free of dust and contaminants for reliability
- Supports DDR3 memory up to 16 GB
- Integrated AMD Radeon™ 384/192 Cores DirectX® 11 GPU in Processor
- Dimension: 10.63”(W) x 7.08”(D) x 0.98”(H); 270mm(W) x 180mm(D) x 25mm(H)

**SI-58**
AMD Discrete Radeon E6760 GPU Book-Size Digital Signage Player

- Supports up to 6 HDMI Outputs
- Discrete AMD Radeon E6760 Graphics Processors (480 Processing Elements)
- iSMART - for Auto-Scheduler and Power Resume
- Supports Intel® Core™ i7 / i5 processor (35W TDP)
- 1024MB GDDR5S-1600 Graphics Memory
- DDR3 1333MHz Memory, Max. 16GB
- ExpressCard slot and 2 x Mini PCI-E(x1) slots
- Two RS232 Serial Ports
- Slim and Compact Design
- Dimension: 10.83”(W) x 10.83”(D) x 1.18”(H); 275mm(W) x 275mm(D) x 30mm(H)
Embedded Systems

**CSB110-885D**
AMD M690E with ATi X1270 Based Compact Size Digital Signage Player
- Steel system supports IBASE IB885 3.5-inch Disk Size SBC
- Onboard AMD Athlon™ Neo X2 L325 dual-core processors
- Available in black color
- Rear panel I/O for USB, DVI, COM (optional VGA), KB/MS, LAN and DC-in jack

**CMI200-952F**
AMD 780E with ATi HD3200 Based Scalable Digital Signage Player
- AMD Athlon™ II X2/X4 processors
- Supports 1 x serial port
- 2 x 10/100/1000 Base-T LAN
- 6 x USB 2.0 Ports
- Supports HDMI, DVI-I, or DVI-D interface, dual display
- Supports 1 x 2.5” SATA HDD drive bay

**CSB100-520**
Slim Type for IBASE IB520 3.5” SBC
- Supports AMD Geode LX processors (LX700, LX800 or LX900)
- Slim box fanless design for a wide variety of applications
- 1 x 10/100 BaseT RJ-45 port
- Available in black coating color
- One 2.5”HDD drive bay
- Wall mount kit included

**ASB200-885**
Slim Type for IBASE IB885 3.5” SBC
- Fanless system supports IBASE IB885 3.5-inch Disk Size SBC
- Onboard AMD Sempron™ 200U
- Available in black color
- Rear panel I/O for USB, DVI, COM (optional VGA), KB/MS, LAN and DC-in jack
- Wall mount kit included
# Mini-ITX Motherboards

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI959</td>
<td>AMD R-Series Quad-Core APU with AMD A70M Chipset</td>
</tr>
<tr>
<td>MI958</td>
<td>AMD G-Series Dual-Core Fusion APU with AMD A55E Chipset</td>
</tr>
<tr>
<td>EB900</td>
<td>AMD G-Series Dual-Core Fusion APU with AMD A50M Chipset</td>
</tr>
<tr>
<td>MI933</td>
<td>AMD Sempron™ Mini-ITX Motherboard with AMD M690E Chipset</td>
</tr>
<tr>
<td>MI930E</td>
<td>Socket AM2 Mini-ITX Motherboard with AMD M690E Chipset</td>
</tr>
<tr>
<td>MI932</td>
<td>Socket AM2 Mini-ITX Motherboard with AMD M690E Chipset</td>
</tr>
<tr>
<td>MI952</td>
<td>Socket AM2 Mini-ITX Motherboard with AMD M780E Chipset</td>
</tr>
<tr>
<td>MB500</td>
<td>AMD Geode LX Mini-ITX Motherboard with AMD CS5536 Chipset</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Form Factor</th>
<th>AMD Chipset</th>
<th>CPU (GHz)</th>
<th>Memory Capacity</th>
<th>LVDS</th>
<th>ISA</th>
<th>PCI</th>
<th>PCI E</th>
<th>LAN</th>
<th># Of LAN Speed</th>
<th>COM</th>
<th>USB</th>
<th>CF</th>
<th>SATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI933</td>
<td>MI930E</td>
<td>MI932</td>
<td>MI952</td>
<td>MB500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORM FACTOR</td>
<td>Mi-ITX</td>
<td>Mini-ITX</td>
<td>Mini-ITX</td>
<td>Mini-ITX</td>
<td>Mini-ITX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Chipset</td>
<td>690E</td>
<td>690E</td>
<td>690E</td>
<td>780E</td>
<td>CS5536</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU (GHz)</td>
<td>Sempron 1.0/1.5</td>
<td>Athlon X2 /2.8</td>
<td>Athlon X2 /1.8</td>
<td>Athlon X2 / X4 / 2.2</td>
<td>Geode LX 500MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>2GB</td>
<td>4GB</td>
<td>4GB</td>
<td>4GB</td>
<td>1GB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LVDS</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCI</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCI E</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES-X16</td>
<td>NO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># OF LAN SPEED</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>8</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CF</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATA</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MI959</td>
<td>MI958</td>
<td>EB900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORM FACTOR</td>
<td>Mini-ITX</td>
<td>Mini-ITX</td>
<td>Mini-ITX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Chipset</td>
<td>A70M</td>
<td>A55E</td>
<td>A50M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU (GHz)</td>
<td>R-Series APU 3.2 Ghz</td>
<td>G-Series APU 1.65 Ghz</td>
<td>G-Series APU 1.65 Ghz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>16GB</td>
<td>8GB</td>
<td>4GB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LVDS</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCI</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCI E</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># OF LAN SPEED</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>8</td>
<td>8</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CF</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATA</td>
<td>6</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Disk-Size SBCs

<table>
<thead>
<tr>
<th>AMD Athlon™ II - Based</th>
<th>IB889</th>
<th>IB885</th>
<th>IB520</th>
<th>IB530</th>
<th>IB550</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Athlon™ II Neo 3.5-inch Disk-Size SBC with AMD 785E Chipset</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Sempron™ - Based</td>
<td>IB885</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Sempron™ 3.5 inch Disk-Size SBC with AMD M690E Chipset</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Geode LX - Based</td>
<td>IB520</td>
<td>IB530</td>
<td>IB550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMD Geode LX 3.5 inch Disk-Size SBC with AMD CS5536 Chipset</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AMD Geode LX 3.5 inch Disk-Size SBC with AMD CS5536 Chipset</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AMD Geode LX 3.5 inch Disk-Size SBC with AMD CS5536 Chipset</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Disk-Size SBCs Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Form Factor</th>
<th>AMD Chipset</th>
<th>CPU (GHz)</th>
<th>Memory Capacity</th>
<th>LVDS</th>
<th>ISA</th>
<th>PCI</th>
<th>PCI E</th>
<th>LAN</th>
<th># Of LAN Speed</th>
<th>COM</th>
<th>USB</th>
<th>CF</th>
<th>SATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB889</td>
<td>3.5&quot;</td>
<td>785E + SB820M</td>
<td>Athlon™ II Neo 1.3 / 2.2GHz</td>
<td>4GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>2</td>
<td>6</td>
<td>NO</td>
<td>2</td>
</tr>
<tr>
<td>IB885</td>
<td>3.5&quot;</td>
<td>690E</td>
<td>Sempron™ 1.0 / 1.5GHz</td>
<td>2GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>6</td>
<td>4</td>
<td>YES</td>
<td>1</td>
</tr>
<tr>
<td>IB520</td>
<td>3.5&quot;</td>
<td>CS5536</td>
<td>Geode LX / 500MHz</td>
<td>1GB</td>
<td>YES</td>
<td>1</td>
<td>1</td>
<td>YES</td>
<td>1</td>
<td>10/100</td>
<td>2</td>
<td>4</td>
<td>YES</td>
<td>0</td>
</tr>
<tr>
<td>IB530</td>
<td>3.5&quot;</td>
<td>CS5536</td>
<td>Geode LX / 500MHz</td>
<td>1GB</td>
<td>YES</td>
<td>1</td>
<td>1</td>
<td>YES</td>
<td>2</td>
<td>10/100</td>
<td>4</td>
<td>4</td>
<td>YES</td>
<td>0</td>
</tr>
<tr>
<td>IB550</td>
<td>3.5&quot;</td>
<td>CS5536</td>
<td>Geode LX / 500MHz</td>
<td>1GB</td>
<td>YES</td>
<td>1</td>
<td>1</td>
<td>YES</td>
<td>2</td>
<td>10/100</td>
<td>4</td>
<td>4</td>
<td>YES</td>
<td>0</td>
</tr>
</tbody>
</table>
## Embedded Systems

### DIGITAL SIGNAGE SYSTEMS

<table>
<thead>
<tr>
<th></th>
<th>SI-08</th>
<th>SI-18</th>
<th>SI-24SD</th>
<th>SI-28T</th>
<th>SI-38</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORM FACTOR</td>
<td>CUSTOM</td>
<td>CUSTOM</td>
<td>CUSTOM</td>
<td>CUSTOM</td>
<td>CUSTOM</td>
</tr>
<tr>
<td>AMD Chipset</td>
<td>A50M</td>
<td>A50M</td>
<td>E2400 / 690E</td>
<td>E4690 / 780E</td>
<td>A70M</td>
</tr>
<tr>
<td>CPU (GHz)</td>
<td>G-Series APU Dual-Core 1.65GHz</td>
<td>G-Series APU Dual-Core 1.65GHz</td>
<td>Neo X2 / 1.5GHz</td>
<td>Athlon X2 / X4 Dual-Core 2.8GHz</td>
<td>R-Series APU DC 2.7GHz/ QC 2.3GHz</td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>2GB (MAX. 4GB)</td>
<td>2GB (MAX. 4GB)</td>
<td>2GB (MAX. 4GB)</td>
<td>4GB (MAX. 16GB)</td>
<td>4GB (MAX. 16GB)</td>
</tr>
<tr>
<td>LVDS</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>ISA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PCI</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PCI E</td>
<td>YES - X1</td>
<td>YES - X1</td>
<td>YES - X1</td>
<td>YES - X1</td>
<td>NO</td>
</tr>
<tr>
<td>LAN</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td># OF LAN SPEED</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
<td>10/100/1000</td>
</tr>
<tr>
<td>COM</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>USB</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>2 x USB 3.0</td>
</tr>
<tr>
<td>CF</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>SATA</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td># Of Displays</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
## Embedded Systems

### Digital Signage Systems

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI-58</td>
<td>INTEL® CORE™ i7/i5 Processor with AMD RADEON™ E6760 GPU Digital Signage Player</td>
</tr>
<tr>
<td>CSB110-885D</td>
<td>AMD M690E with ATI X1270 - Based Compact Digital Signage Player</td>
</tr>
<tr>
<td>CMI200-952F</td>
<td>AMD M780E with ATI HD3200 - Based Scalable Digital Signage Player</td>
</tr>
</tbody>
</table>

### Fanless Systems

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASB200-885</td>
<td>Slim Type System for IBASE IB885 3.5” Disk-Size SBC</td>
</tr>
</tbody>
</table>

### SBC Systems

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB100-520</td>
<td>Slim Type System for IBASE IB520 3.5” Disk-Size SBC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Form Factor</th>
<th>Chipset</th>
<th>CPU (GHz)</th>
<th>Memory Capacity</th>
<th>LVDS</th>
<th>ISA</th>
<th>PCI</th>
<th>PCI E</th>
<th>LAN</th>
<th># Of LAN Speed</th>
<th>COM</th>
<th>USB</th>
<th>CF</th>
<th>SATA</th>
<th># Of Displays</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI-58</td>
<td>CUSTOM</td>
<td>INTEL® QM67</td>
<td>INTEL® CORE™ i7/i5</td>
<td>MAX. 16GB</td>
<td>NO</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>2</td>
<td>3</td>
<td>YES</td>
<td>YES</td>
<td>6 (HDMI)</td>
</tr>
<tr>
<td>CSB110-885D</td>
<td>3.5”</td>
<td>AMD 690E</td>
<td>Neo X2 / 1.5GHZ</td>
<td>2GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>2</td>
<td>4</td>
<td>YES</td>
<td>YES</td>
<td>1</td>
</tr>
<tr>
<td>CMI200-952F</td>
<td>MINI-ITX</td>
<td>AMD 780E</td>
<td>Athlon II X2</td>
<td>4GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>2</td>
<td>6</td>
<td>NO</td>
<td>YES</td>
<td>2</td>
</tr>
<tr>
<td>ASB200-885</td>
<td>3.5”</td>
<td>AMD 690E</td>
<td>Sempron™ 200U / 1.0GHZ</td>
<td>1GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>NO</td>
<td>2</td>
<td>10/100/1000</td>
<td>1</td>
<td>2</td>
<td>NO</td>
<td>YES</td>
<td>1</td>
</tr>
<tr>
<td>CSB100-520</td>
<td>3.5”</td>
<td>AMD LX800</td>
<td>LX800</td>
<td>1GB</td>
<td>YES</td>
<td>0</td>
<td>0</td>
<td>YES</td>
<td>2</td>
<td>10/100/1000</td>
<td>2</td>
<td>4</td>
<td>YES</td>
<td>YES</td>
<td>1</td>
</tr>
</tbody>
</table>
# CPU Modules

## AMD Athlon™ II - Based

<table>
<thead>
<tr>
<th></th>
<th>ET850</th>
<th>ET855</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FORM FACTOR</strong></td>
<td>COM Express</td>
<td>COM Express</td>
</tr>
<tr>
<td><strong>AMD Chipset</strong></td>
<td>785E + SB820M</td>
<td>785E + SB820M</td>
</tr>
<tr>
<td><strong>CPU (GHz)</strong></td>
<td>Athlon™ II Neo 1.3 / 2.2GHz</td>
<td>Athlon™ II Neo 1.3 / 2.2GHz</td>
</tr>
<tr>
<td><strong>Memory Capacity</strong></td>
<td>4GB</td>
<td>8GB</td>
</tr>
<tr>
<td><strong>LVDS</strong></td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td><strong>ISA</strong></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>PCI</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>PCI E</strong></td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong># OF LAN SPEED</strong></td>
<td>10/100/1000</td>
<td>10/100/1000</td>
</tr>
<tr>
<td><strong>COM</strong></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td><strong>CF</strong></td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td><strong>SATA</strong></td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>