Sistemas Embebidos
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, embedded systems and network appliance for different applications in the gaming, digital signage, POS/Kiosk, infotainment, automation, medical and networking markets.

Research and 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.

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.
Soluciones IBASE

Digital Signage
1. Pequeñas Dimensiones
2. Soporta multidisplay.
3. Ethernet de alta velocidad Gigabit

Gaming
1. Multidisplay altas prestaciones graficos 3D
2. Fácil mantenimiento y upgrade.
3. Soluciones completas en seguridad.

POS / Kiosk
1. Multidisplay
2. Multi COM y USB (excelente conectividad).
3. I/O expandibles, Touch panel.

Panel PC
1. Construidos con Touch panel.
2. I/O Expandibles multifunción.
3. Tiempo de obsolescencia muy elevados.

Medical
1. Diseños robustos para trabajar en las peores condiciones.
2. Revisión exhaustivas de la producción.
3. Larga durabilidad y fiabilidad

Aplicaciones embarcadas
1. Dimensiones reducidas.
2. Multitarea.
3. Consumos muy bajos.

Automation
1. I/O Expandibles multifunción.
2. Larga durabilidad y fiabilidad.
3. Tiempo de obsolescencia muy elevados.
Sistemas Embedded de I-BASE

- Mini-ITX Board
- ATX Board
- Disk-sized Board
- PICMG® SBC & Backplane
- CPU Module & Baseboard
Subsistemas

MINI-ITX I-BASE

- MI956AF
  - Intel Core i7
  - rPGA988B + QM67

- MI958F
  - AMD G-T56N + A55E

- MI950F/AF/GF
  - Intel Core i3/i5/i7
  - LGA775 + Q45/G45

- MI953F / AF
  - Intel Core i3/i5/i7
  - rPGA988A + QM57

- MI946P/PR/PA
  - AMD 5200 Series
  - Socket P + GM45

- MI941
  - LGA775 + G41

- MI953
  - Intel Core i3/i5/i7
  - rPGA988A + HM55

- MI945P/PR/PA
  - AMD 5200 Series
  - Socket P + GM45

- MI912
  - Socket P + GME965

- MI945F/RF/AF
  - AMD 5200 Series
  - Socket P + GM45

- MI932EF
  - AMD Athlon II X2
  - AMD AM2+ + 690E

- MI952F
  - AMD Athlon II X2
  - AMD AM2+ + 780E

- MI945XF/XR
  - AMD 5200 Series
  - Socket P + GM45

- MI812/F
  - Atom N270 + 945GSE

- MI889-D5
  - Atom D520 + ICH8M

- MI801
  - Atom D525 + ICH8M

- MI888-D5
  - Atom N450/D510 + ICH8M

- MI890-D5
  - Atom D525 + ICH8M
3,5" SBC de I-BASE

- **IB905F**
  - Intel Core i7
  - rPGA988 + QM67
  - 24-bit LVDS + DVI-I

- **IB906F-1G**
  - Intel Core i7
  - BGA1023 (807UE) + HM65
  - 12V ~ 24V DC-in

- **IB885F**
  - Intel Atom D525 + ICH8M
  - 24-bit LVDS + CRT

- **IB885-D27**
  - Intel Atom D2700+NM10
  - 24-bit LVDS + DVI-I

- **IB889-D5**
  - Intel Atom D510 + ICH8M
  - 18-bit LVDS + CRT

- **IB892-10T/13T**
  - Intel Atom E640T/ E660T+EG20T
  - 24-bit LVDS + CRT

- **IB889-22H**
  - AMD Athlon 64 X2
  - N54H DC CPU+785E+SB820M
  - 24-bit LVDS + DVI-I

- **IB888-11(T)/-13T/-16**
  - Atom Z510P (T)/ Z520PT / Z530P + US15WP(T)

- **IBS50F**
  - AMD Geode LX 800 + CS5536
  - 18-bit LVDS + CRT + SATA

- **IB884T-11**
  - Atom Z510PT+US15WPT
  - 24-bit LVDS + CRT + SATA
Subsistemas

ETX y COM EXPRESS de I-BASE

**Subsistemas ETX y COM EXPRESS de I-BASE**

**ETX910E**
- Socket M+945GME
- VGA/LVDS (18 bit)
- 10/100 LAN, SATA x2, COM x2, IDE
- **IP100P-R**
  - **5.25” ETX Baseboard**
  - VGA/LVDS
  - COM, USB, FDD, IDE, LPT
  - PCI x1, PC/104
  - ATX
  - 203x146 mm

**ET900E**
- Socket M+945GME
- VGA/LVDS (18 bit)
- 10/100 LAN, SATA x2, COM x2, IDE
- **IP400**
  - **COM-Express Baseboard**
  - VGA/LVDS
  - COM, USB, FDD, IDE, LPT, SPDIF, Audio, IrDA, GbE
  - PCI x2, PCIe(16x), PCIe(1x), 2W stereo amplifier, ATX
  - Flex ATX size
  - 190x228 mm

**ET855**
- ASB2 DC CPU +785E+SB820M
- Dual channel DDR3
- VGA/LVDS (24 bit)
- GbE LAN x1, SATA x2, PATA
- 125 x 95 mm
- COMe 2.0

**ET850**
- ASB2 DC CPU +785E+SB820M
- Single channel DDR3
- VGA/LVDS (24 bit)
- GbE LAN x1, SATA x2, PATA
- 125 x 95 mm
- COMe 2.0

**IP401**
- **COM-Express Baseboard**
- VGA/LVDS
- GbE LAN x 2
- COM, USB, FDD, IDE, LPT
- SPDIF, Audio, IrDA
- PCI x2, PCIe(16x), PCIe(1x), 2W stereo amplifier, ATX power
- COMe 2.0
- Flex ATX size
- 190x228 mm
Embedded Systems (Barebone)de I-BASE

AMI Series – Fanless & Aluminum System

ASB Series – Fanless & Aluminum System

CSB Series – Space Constraint System

CMI Series – Expandable System

RSB Series – Fanless & Aluminum Rugged System

AFB Series – Fanless & Aluminum Eflex System
Subsistemas

Fan Less Embedded Systems (Barebone) de I-BASE

AMI402-8/- 9
AMI401-945XF
AMI400-8/- 9
AMI300-8/- 9
AMI200-8/- 9/945AF

AMI200-953AF
[2 expansion slots]

AMI1200-970VF

AMI200-953AF

AMI200-891D5

ASB200-886
ASB200-883/7
ASB200-885

Dual Display iAM16.0

Triple Display iAMT8.0, VPro

4 x COM
Compact Embedded Systems (Barebone) de I-BASE

For 3.5”/ECX Board

- CSB200-883M (Intel Atom)
- CSB200-888 (Intel Atom)
- CSB110-886 (Intel Core 2 Duo)
- CSB110-905 (Intel Core 2 Duo)
- CSB100-883 (AMD Geode)
- CSB100-530 (AMD Geode)
- CSB100-520 (AMD Geode)
- CSB100-550 (AMD Geode)

* Low power but high performance
* Small volume for use in space constraint environment

USB 3.0
Embedded Systems (Barebone) de I-BASE

Features Summary

• Industrial Grade All Metal Construction
• AMD Embedded G-series Fusion Processor Integrated
• 80 Core DirectX 11 GPU
• 2GB DDR3 memory (Up to 4GB)
• WiFi + Bluetooth (Optional)
• 160GB HDD (2.5” SATA II Interface)
• Gigabit Ethernet, RS-232
• Hybrid-DVI interface (Supports HDMI w/audio, DVI, CRT)
• HD Audio

Processor Options

• T40E – Dual Core, 1.0GHz, HD6250, 6W
• T56N – Dual Core, 1.65 GHz, HD6310, 18W
Embedded Systems (Barebone) de I-BASE

**SI-18 Signature Book New**

**Features Summary**

- Slim & Compact Design
- AMD Embedded G-series Fusion Processor Integrated 80 Core DirectX 11 GPU
- 2GB DDR3 memory (Up to 4GB)
- WiFi + Bluetooth (Optional)
- 160GB HDD (2.5" SATA II Interface)
- Gigabit Ethernet, RS-232
- Hybrid-DVI interface (Supports HDMI w/audio, DVI, CRT)
- HD Audio

**Processor Options**
- T56N – Dual Core, 1.65 GHz, HD6310, 18W
Embedded Systems (Sistemas Embarcados) de i-BASE

**Luna Pier**
- Fanless

**IBB08**
(Luna Pier / Luna Pier Refresh)
- N450 + ICH8M
- Atom N450 SC + ICH8M
- DDR2 SO-DIMM, 2GB Max.
- CRT+LVDS (18-bit only)
- GbE LAN x 1 onboard
- COM port x 8
- USB x 10, SATA II x 2
- CF socket x 1
- Mini-PCIe slot x 2

**I-VC5**
- IBASE In Vehicle System
- Feature:
  - Wi-Fi
  - 3G(GPRS/HSDPA)
  - GPS
  - Video Capture/PAL
  - Multi-COM Ports

**ID465**
In-Vehicle Power Board
- Power Input Range: 8~30VDC
- With Battery Charger
- Back up Battery Input

**PCI-104 L4**
4 Channel Capture Card
- Video Input: 4 Channel
- Video compression: H.264
- Capture Resolution: D1
Subsistemas

SBC (Single Board Computer) de I-BASE

Porque elegir I-Base
Sistemas

Arbor Box PC Rango extendido de Temperatura
## Sistemas

### Arbor Box PC  Rango extendido de Temperatura

<table>
<thead>
<tr>
<th>Referencia</th>
<th>Construcción</th>
<th>Características</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FPC Box PC</strong></td>
<td>• PC with Intel® Socket G Core™ i5/i7 Platform</td>
<td>• Fanless Design</td>
</tr>
<tr>
<td></td>
<td>• Robust Box PC with Intel® Socket P Core™ 2 Duo Platform</td>
<td>• Wide Range DC Power Input (10 ~ 28V)</td>
</tr>
<tr>
<td></td>
<td>• PC with Intel® Pentium® M/Celeron® M Platform</td>
<td>• Serial Port with 5V/12V Power Output (Only COM4)</td>
</tr>
<tr>
<td></td>
<td>• Computer with Intel® Atom™ D525 Platform</td>
<td>• Support RS-485 Auto-flow Function</td>
</tr>
<tr>
<td></td>
<td>• PC with Intel® Atom™ N270 Platform</td>
<td>• Rich Onboard I/O and Expansion Slots (2 x PCIe x8, 1 x Mini-card, 1 x SIM Socket)</td>
</tr>
<tr>
<td><strong>ELIT Series</strong></td>
<td>• PC with Intel® Core™ i7-2610UE Platform</td>
<td>• Support Various Video Interfaces (DVI-I + DVI-D)</td>
</tr>
<tr>
<td></td>
<td>• PC with Intel® Atom™ N2600 Platform</td>
<td>• Support Outside Accessible CFAST Slot</td>
</tr>
<tr>
<td><strong>Ares Series</strong></td>
<td>PC with Intel® Atom™ D525 Platform</td>
<td>• Support Optional WiFi or HSUPA Wireless Connection</td>
</tr>
<tr>
<td><strong>EPC Box PC</strong></td>
<td>Intel® Atom™ N270 Platform</td>
<td>• Support DDR3 SO-DIMM up to 8GB</td>
</tr>
<tr>
<td></td>
<td>Intel® Atom™ D525 Platform</td>
<td>• Rugged Design for Shock/Vibration Protection</td>
</tr>
<tr>
<td><strong>Arpex Box PC</strong></td>
<td>AMD® LX900 600MHZ Embedded Computer Intel® Atom™ N270 Embedded Computer</td>
<td>• Easy Installation/Maintenance</td>
</tr>
<tr>
<td><strong>BPC Box PC</strong></td>
<td>Intel® Core™ 2 Duo BOX PC Intel® Socket P Core™ 2 Duo BOX PC</td>
<td>• Intel® SSD Compatible</td>
</tr>
</tbody>
</table>
## Wide Temperature Box PC

<table>
<thead>
<tr>
<th>Referencia</th>
<th>Construcción</th>
<th>Características</th>
</tr>
</thead>
</table>
| Rigit Box PC | ![Image of Rigit Box PC](image.png) | • Intel® Core™ i5-520M, Fanless Embedded Controller  
• Intel® Core™ i5-520M, Fanless Embedded Controller  
• Intel® Atom™ D525, Fanless Vehicle Computer  
• Intel® Atom™ D525, Fanless Vehicle Computer  
• Intel® Atom™ N270, Fanless Embedded Controller |

- **Wide Operating Temperature** (-40 ~70°C)
- **Fanless Design**
- **Wide Range DC Power Input** (10 ~ 28V)
- **Serial Port with 5V/12V Power Output** (Only COM4)
- **Support RS-485 Auto-flow Function**
- **Rich Onboard I/O and Expansion Slots** (2 x PCIe x8, 1 x Mini-card, 1 x SIM Socket)
- **Support Various Video Interfaces** (DVI-I + DVI-D)
- **Support Outside Accessible CFast Slot**
- **Support Optional WiFi or HSUPA Wireless Connection**
- **Support DDR3 SO-DIMM up to 8GB**
- **Rugged Design for Shock/Vibration Protection**
- **Easy Installation/Maintenance**
- **Intel® SSD Compatible**
### Sistemas

**Arbor Box PC Rango extendido de Temperatura**

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<thead>
<tr>
<th>Referencia</th>
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<tbody>
<tr>
<td>FPC Box PC</td>
<td><img src="image1.png" alt="Imágenes de aparatos" /></td>
<td>• Intel® Atom™ D525, Fanless Vehicle Computer.</td>
</tr>
<tr>
<td>Ares Series</td>
<td><img src="image2.png" alt="Imágenes de aparatos" /></td>
<td>• Intel® Atom™ D525, Fanless Vehicle Computer.</td>
</tr>
</tbody>
</table>

• **Ultra Low Power and Fanless Design**
• 2 x RS-232 and 2 x RS-232/422/485 Serial Ports with 12V Power Output
• Smarter Ignition Power On/Off, Delay-time and Battery Low Voltage Protection
• Over-voltage and Reversed Power Input Protection
• Isolated Digital I/O with +12/+5V Power Output

• Multiple Connectivity (WiFi, HSUPA, GPS)
• Wide Range DC Power Input (6~32V)
• Multiple Expansion (1 x PCIe x1, 1 x PCI, 1 x CF, 1 x SD, 1 x SIM)
• Rugged Design for Shock/Vibration Protection
• Intel® SSD Compatible
Digital Signage

<table>
<thead>
<tr>
<th>Referencia</th>
<th>Construcción</th>
<th>Características</th>
</tr>
</thead>
</table>
| **ELIT Series** | ![Image](image) | • PC with Intel® Core™ i7-2610UE Platform  
• PC with Intel® Atom™ N2600 Platform |

• **Fanless Design**
  • RS-485 Auto-flow Function Supported
  • 2 x Line-out w/ 500mW Pre-amplified
  • Support Various Video Interfaces (HDMI, DVI-D, S-video)
  • Support MXM 3.0 Type A Module (e.g. ATI E6460)
• Rugged Design for Shock/Vibration Protection
• Easy Installation/Maintenance
• Intel® SSD Compatible
## Sistemas

**Arbor Box PC Rango extendido de Temperatura**

### Accessory

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<tr>
<th>Referencia</th>
<th>Construcción</th>
<th>Características</th>
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</thead>
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<tr>
<td>DRK-001</td>
<td><img src="image" alt="Din Rail kit for FPC series" /></td>
<td>• Din Rail kit for FPC series</td>
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<tr>
<td>WMK-7000</td>
<td><img src="image" alt="Wall-mount kit of FPC-7XXX" /></td>
<td>• Wall-mount kit of FPC-7XXX</td>
</tr>
<tr>
<td>WMK-5000</td>
<td><img src="image" alt="Wall-mount kit of FPC-51XX" /></td>
<td>• Wall-mount kit of FPC-51XX</td>
</tr>
<tr>
<td>WMK-3100</td>
<td><img src="image" alt="Wall-mounting kit of FPC-31xx" /></td>
<td>• Wall-mounting kit of FPC-31xx</td>
</tr>
</tbody>
</table>
Fujitsu mainboard

Industrial & Extended Lifecycle Series
Fujitsu Solutions

For more than 25 years, mainboards have develop and produced in Augsburg. Fujitsu Technology Solutions puts special emphasis on highest product quality, long term availability and direct technical support by the manufacturer. Main Board Technology Solutions reliably work in thin clients, servers and complete system solutions for industrial customer. With an annual production volume of rightly 2,5 million mainboards, Fujitsu Technology Solutions is leading European manufacturer of mainboard.

**Industrial Series**

In addition to long-term availability (min3 years plus extended lifetime option of up two years), industrial series mainboards offer a multiple of add-on functions and service. They combine the product maturity and production quality of high-quality base series with special requirements of industrial applications. Additionally, industrial series mainboards with special hardware and service features and extensive software tools.

**Industrial features**

- Silent Fan.
- Silent Fan LT.
- Fanless.
- System Guard.
- Silent Drives.
- Recovery BIOS.
- Desk Update.
- Multi Boot.
- HDD Password.
- 24/7 Operating Mode.
- Estended Temperature.
- Voltage Guard.
- Power Select.
- Wach dog
- 24/7 Operating Mode.
- Extended Life
### Soluciones Fujitsu

**Mini-ITX mainboard**

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<tr>
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<th>D3003-S</th>
<th>D2963-S</th>
<th>D2703-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chipset</td>
<td>AMD A55E Controller Hub</td>
<td>AMD M690E &amp; SB600</td>
<td>AMD M690E &amp; SB600</td>
</tr>
<tr>
<td></td>
<td>D3003-S1: AMD Single-Core T44R (1.2GHz/9W) D3003-S2: AMD Dual-Core T56N (1.6GHz/18W) D3003-S3: AMD Dual-Core T56N (1.6GHz/18W)</td>
<td>D2963-S1: AMD Mobile Sempron™ 200U D2963-S2: AMD Mobile Athlon™ Neo X2 L325</td>
<td>Mobile Socket S1 with Hyper Transport™ AMD Mobile Turion™ 64 X2 Dual Core AMD Mobile Sempron™ (*)</td>
</tr>
<tr>
<td>Memory</td>
<td>DDR3 1333/1066 SDRAM (SO-DIMM)</td>
<td>DDR2 800/667 SDRAM (SO-DIMM)</td>
<td>DDR2 800/667 SDRAM (SO-DIMM)</td>
</tr>
<tr>
<td>Integrated Graphics</td>
<td>ATI integrated graphics on board; VGA, DVI,</td>
<td>ATI Radeon X1250 graphics on board; VGA, DVI</td>
<td>ATI Radeon X1250 graphics on board; VGA, DVI</td>
</tr>
<tr>
<td>DisplayPort</td>
<td>DisplayPort and Dual Channel LVDS support</td>
<td>Dual Channel LVDS support</td>
<td>Dual Channel LVDS support</td>
</tr>
<tr>
<td>Audio</td>
<td>HD Audio onboard</td>
<td>HD Audio onboard</td>
<td>HD Audio onboard</td>
</tr>
<tr>
<td>Dual Gbe</td>
<td>Dual GbE LAN on board</td>
<td>Dual GbE LAN on board</td>
<td>Dual GbE LAN on board</td>
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<tr>
<td>RAID</td>
<td>Serial ATA III RAID onboard</td>
<td>Serial ATA II RAID on board</td>
<td>Serial ATA II RAID on board</td>
</tr>
<tr>
<td>CF Support</td>
<td>CF support (for Embedded OS) on board</td>
<td>CF support (for Embedded OS) on board</td>
<td>CF support (for Embedded OS) on board</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>USB 2.0 on board</td>
<td>USB 2.0 on board</td>
<td>USB 2.0 and IEE1394 (Firewire 400) on board</td>
</tr>
<tr>
<td>8 Bit GPIO</td>
<td>8 Bit GPIO onboard</td>
<td>Mini PCI Express support (for WLAN) on board</td>
<td></td>
</tr>
<tr>
<td>Operation</td>
<td>Designed for fanless operation</td>
<td>Designed for fanless operation</td>
<td>Designed for fanless operation and 24V DC supply via external connector / AC adapter</td>
</tr>
<tr>
<td>Supply</td>
<td>Standard ATX supply (via onboard connector) or 24V DC supply (via external connector / AC adapter)</td>
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</tbody>
</table>
## Solutions Fujitsu

### μATX mainboard

<table>
<thead>
<tr>
<th></th>
<th>D3071-S</th>
<th>D3062-B</th>
<th>D2703-S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHIPSET</strong>:</td>
<td>Intel® Q67 Express Chipset</td>
<td>Intel® Q67 Express Chipset</td>
<td>Intel® Q45 / ICH10 DO</td>
</tr>
<tr>
<td>Intel® Core™ i7 – 2xxx processor series</td>
<td>Intel® Core™ i7 – 2xxx processor series</td>
<td>Intel® Core™ 2 Quad Q9xxx / Q8xxx Processors,</td>
<td></td>
</tr>
<tr>
<td>Intel® Core™ i5 – 2xxx processor series</td>
<td>Intel® Core™ i5 – 2xxx processor series</td>
<td>Intel® Core™ 2 DUO E8xxx / E6xxx Processors,</td>
<td></td>
</tr>
<tr>
<td>Intel® Core™ i3 – 2xxx processor series</td>
<td>Intel® Core™ i3 – 2xxx processor series</td>
<td>Intel® Core™ 2 DUO E7xxx / E4xxx Processors,</td>
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<tr>
<td></td>
<td></td>
<td>Intel® Pentium® Dual Core E2xxx Processors,</td>
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<td></td>
<td></td>
<td>Intel® Celeron® Dual Core E1xxx Processors,</td>
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<td>Intel® Celeron® 4xx Processors</td>
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<tr>
<td><strong>DDR3 1333/1066 SDRAM (SO-DIMM)</strong></td>
<td>DDR3 1333/1066 SDRAM (SO-DIMM)</td>
<td>DDR2 800/667 SDRAM</td>
<td></td>
</tr>
<tr>
<td>Intel® VPro 2011 = Intel® iAMT 7 (CPU support required)</td>
<td>Intel® vPro (iAMT7 incl. KVM support)</td>
<td>State-of-the-art graphics onboard</td>
<td></td>
</tr>
<tr>
<td>Intel® HD Graphics (integrated in processor)</td>
<td>Intel® HD Graphics (depends on processor)</td>
<td>Dual Channel LVDS support</td>
<td></td>
</tr>
<tr>
<td>Multichannel Audio onboard</td>
<td>Multichannel Audio onboard</td>
<td>5.1 multichannel audio onboard</td>
<td></td>
</tr>
<tr>
<td>Dual GbE LAN onboard</td>
<td>Dual GbE LAN on board</td>
<td>Dual GbE LAN on board</td>
<td></td>
</tr>
<tr>
<td>SATA-600 / SATA-300 / ATA / Floppy</td>
<td>2 Serial ATA III 600 Interface (up to 6GBit/s),</td>
<td>Serial ATA II RAID on board</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 Serial ATA II 300 Interfaces (up to 3GBit/s), NCQ,</td>
<td></td>
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<tr>
<td></td>
<td>AHCI, RAID 0/1/5/10</td>
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<tr>
<td>FireWire™ (6-Pin, IEEE 1394) USB (2.0, ~480MBit/s)</td>
<td>FireWire™ (6-Pin, IEEE 1394) USB (2.0, ~480MBit/s)</td>
<td>USB (2.0, ~480MBit/s)</td>
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<tr>
<td></td>
<td>Serial (RS232, FIFO, 16550 compatible)</td>
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<td></td>
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<tr>
<td>8 Bit GPIO onboard</td>
<td></td>
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### Soluciones Fujitsu

**ATX mainboard**

<table>
<thead>
<tr>
<th>D3076-S</th>
<th>D2778-D</th>
<th>D2703-S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHIPSET</strong>: Intel® Q67 Express Chipset</td>
<td><strong>CHIPSET</strong>: Intel® X58 Express Chipset</td>
<td><strong>CHIPSET</strong>: Intel® Q45 / ICH10 DO</td>
</tr>
<tr>
<td>Intel® Core™ i7 – 2xxx processor series</td>
<td>Intel® Xeon® Processor 5500 / 5600 series Intel® Xeon® Processor 3500 / 3600 series Intel® Core™ i7 Processor series</td>
<td>Intel® Core™ 2 Quad Q9xxx / Q8xxx Processors, Intel® Core™ 2 DUO E8xxx / E6xxx Processors, Intel® Core™ 2 DUO E7xxx / E4xxx Processors, Intel® Pentium® Dual Core E2xxx Processors, Intel® Celeron® Dual Core E1xxx Processors, Intel® Celeron® 4xx Processors</td>
</tr>
<tr>
<td>DDR3 1333/1066 SDRAM (SO-DIMM)</td>
<td>DDR3 800/1333/1066 SDRAM</td>
<td>DDR2 800/667 SDRAM</td>
</tr>
<tr>
<td>Intel® VPro 2011 = Intel® iAMT 7 (CPU support required)</td>
<td>S.1 multichannel audio onboard</td>
<td>Intel® GM4500 integrated</td>
</tr>
<tr>
<td>Intel® HD Graphics (integrated in processor)</td>
<td>Intel® HD Graphics (depends on processor)</td>
<td>Dual Channel LVDS support</td>
</tr>
<tr>
<td>Multichannel Audio onboard</td>
<td>Multichannel Audio onboard</td>
<td>5.1 multichannel audio onboard</td>
</tr>
<tr>
<td>Dual GbE LAN onboard</td>
<td>GbE LAN onboard supporting ASF 2.0</td>
<td>Dual GbE LAN on board</td>
</tr>
<tr>
<td>2 Serial ATA III 600 Interfaces (up to 6Gbit/s), 4 Serial ATA II 300 Interfaces (up to 3Gbit/s), NCQ, AHCI, RAID 0/1/5/10</td>
<td>- 6 Serial ATA II 300 Interfaces (up to 3Gbit/s, NCQ); RAID 0, 1, 10, 5</td>
<td>- 6 Serial ATA II 300 Interfaces (up to 3Gbit/s, NCQ); RAID 0, 1, 10, 5 - Floppy</td>
</tr>
<tr>
<td>PCI Express Gen2</td>
<td>Dual PCIe x16 (Gen2) onboard</td>
<td></td>
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<tr>
<td>USB (2.0, ~480MBit/s) . Serial (RS232, FIFO, 16550 compatible.)</td>
<td>FireWire™ (6-Pin, IEEE 1394) USB (2.0, ~480MBit/s) . Serial (RS232, FIFO, 16550 compatible)</td>
<td>USB (2.0, ~480MBit/s) . Serial (RS232, FIFO, 16550 compatible)</td>
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Fujitsu mainboard

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