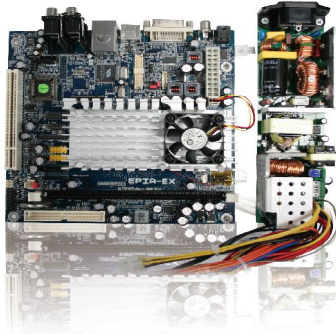


## The Best Mini-ITX Solution from FSP



**【2009/8/20】** Based on its professional R&D capability in power supply industry and great attention paid to customers' demands, FSP started to develop and promote a series of Mini-ITX power supply products around two years ago. FSP has a complete product line ranging from PC, IPC, consumer Open Frame to adapters to meet customer's various kinds of specification demands and application requests, such as high

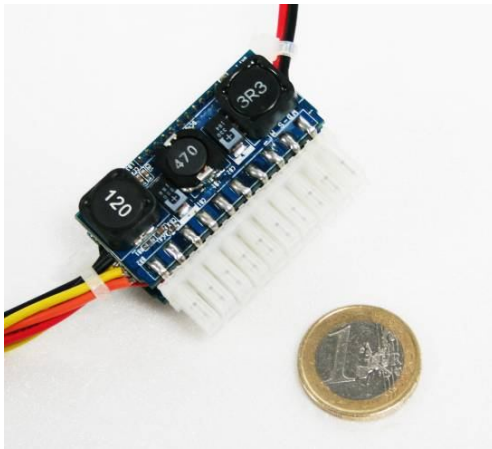
efficiency, low power waste, 0dBA, etc.

According to the data revealed by IDC Research, Small Form Factor has become a main stream spec. in the recent years. With the progressively increasing size of the embedded system market along with its applications in more and more fields, many of the large-scale IPC manufacturers have started to dedicate themselves to developing boards or cards compliant to ITX or Mini-ITX spec. so as to meet the demands such as the automatic controllers from industrial automation market, POS from commercial market, Kiosk applications, and small-medium facilities from network communication market. Through which, it's clear that small form factor and micro-scale design would be the guiding concepts and a focus for embedded products from now on.

In the development of embedded board products, VIA had launched Mini-ITX spec. 7 years ago due to the constant pursuit of delicacy in PC industry. Now it has become a major industrial spec. The length and width of Mini-ITX are both 17cm; compared to those of Micro-ATX (24\*24cm) and standard system (20\*32cm), such compact size of Mini-ITX could allow PC to be placed in any kinds of room with limited space available. The low power consumption required by Mini-ITX, normally under 100W and its advantageous compact size has promoted its application successfully in much more markets. So far, not only the PCB manufactures are working on developing Mini-ITX spec., many main-board manufacturers are also switching their attention to the embedded product market, product such as cash register, etc. Mini-ITX, compared to ATX, is having a much more compact size, allowing it to support a lot more spec., such as image processing, network connection, I/O port, USB2.0, SATA, PS/2 and PCI interfaces, etc. , and it could also be installed inside storage devices, with Windows, Linux and any other compatible application programs built-in inside the Mini-ITX main board.



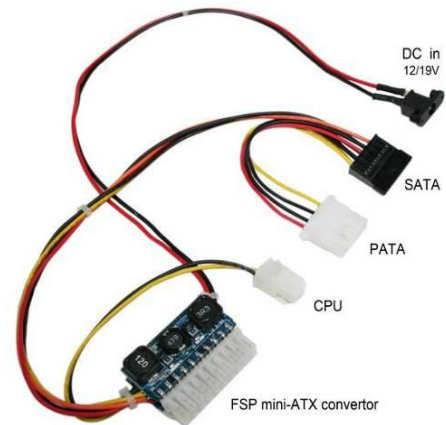
Believing in the promising markets of Nettop and Small Form Factor/SFF main-board, Intel has announced to launch 2 Mini-ITX main boards in the ISS summit this year to provide a space-saving solution to DT users: entry-level main-board, D945GSEJT, mounted with Intel's Atom CPU and 945GSE chipset integrated, while the other, DG41MJ, supporting 64W TDP LGA775 CPU with entry-level G41 IGP chipset integrated,



To cope with the market trend, FSP has already made itself ready by providing a fully complete production line for customers to choose from. Power supplies applied in DT ranging from 100W to 150W are all designed with OVP, SCP and OPP protection functions; a series of IPC power supplies was also created and designed with fanless solution, which is quite suitable to long-lasting operation environment where high-temp and silent are highly demanded. As for Open Frame products, they are ranging

from 40W to 150W, compliant to OVP/SCP circuit protection standard, designed with a full range input and ATX multi-output. The power density reaches 10W/in<sup>3</sup> and Japanese capacity is selective. Also, a product line such as DC to DC with external AC power supply is also available, ranging from 65W to 150W, and of course compliant to OVP/SCP circuit s protection standard.

The size of the PCB is small enough to directly connect to the main-board and there is no chassis size-concerned issue. The external AC power supply also meets the Energy Star Level V standard. One point worth your attention is that the Mini DC to DC circuit board in 65W/90W is only one sixth the size of ordinary PCB, allowing you to save a lot more space and shorten the length of cables, and along with its particularly silent feature and the flexibility for you to add major features you desire, the product definitely could help you build a personal exclusive mini DT and expand the niche market.



With its complete product line, capability to provide the best Mini-ITX solution, and able to meet the application demands for high efficiency, low power waste, and 0dBA, products from FSP could be broadly defined and applied in various industries and fields such as industrial automatic operations, telecommunication industry, multi-media search & sale systems, information inquiry machines, network communication devices, ATM, gaming machines, medical applications, DVR, simplified computers, slim servers, etc. Those help systems- integrated deliver excellent

performances. With the characteristics of being creative, providing service with maneuverability, viewing our customers as everything, and being persistent in the pursuit of perfection, FSP is meant to be incessantly bringing unique and high-quality products into the power supply market.

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