

# Industrial Single Board Computer

## PICMG 1.3 Full-size CPU Card FS-A74

Support 2nd Generation Intel® Core™ i7/ i5/ i3/  
Pentium/Xeon® Desktop Processor  
Onboard VGA, DVI, HD Audio  
Intel® Gigabit LAN , Serial ATA  
PCIE X16 , PCIE Minicard, PCI.



<b>Form Factor</b>	PICMG 1.3 Full-size CPU Card
<b>CPU</b>	Supports 2nd Generation Intel® Core™ i7/ i5/ i3/ Pentium/Xeon® Desktop Processor Package type: FCLGA1155
<b>Memory</b>	Two DDR3 1066/1333 DIMM up to 16 GB
<b>Chipset</b>	Intel® BD82Q67 PCH
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode
<b>Serial ATA Interface</b>	Intel® Q67 PCH built-in 4 x Serial ATAII interface up to 300MB/s & 2 x Serial ATAIII interface up to 600MB/s Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology.
<b>VGA Interface</b>	Intel® Clear Video integrated HD Graphics Technology
<b>DVI Interface</b>	Onboard Chrontel CH7318C DVI Transmitter for DVI interface
<b>Audio Interface</b>	Intel® integrated Q67 with Realtek ALC888 HD Audio.
<b>LAN Interface</b>	One Intel® 82574L Gigabit LAN & One Intel®82579LM Gigabit LAN
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface.
<b>Extended Interface</b>	PICMG 1.3 Interface Support 1 PCI-Express x16 and 1 PCI-Express x4 or 4 PCI-Express x1 4 PCI bus master, and 4 USB2.0 Interface and 2 x PCIE mini card socket, 1 x SIM socket
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x GPIO port, 1 x CDIN connector, 1 x Audio connector, 1 x IrDA connector, 1 x SMBUS connector, 5x Serial Port and 8 x USB ports, 1 x Parallel port.
<b>External I/O Port</b>	1 x PS/2 Keyboard/Mouse Port, 2 x RJ45 LAN ports, 1 x DB15 VGA port,
<b>Power Requirement</b>	+5V, +12 DC input & 5V <sub>SB</sub> Requirement
<b>Dimension</b>	338 mm x 126 mm (L x W)
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

### Taiwan Commate Computer Inc.

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 **COMMELL**

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Ordering Code	
<b>FS-A74TDG</b>	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, 1 x IrDA, 1 x LPC Realtek HD 5.1CH Audio, GPIO and 2 x PCI Express mini card, <b>1 x Giga LAN (82579LM)</b> Support <b>Four X1 &amp; One X16</b> PCI Express interface
<b>FS-A74FTDG</b>	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, 1 x IrDA, 1 x LPC Realtek HD 5.1CH Audio, GPIO and 2 x PCI Express mini card, <b>1 x Giga LAN (82579LM)</b> Support <b>One X4 &amp; One X16</b> PCI Express interface
<b>FS-A74TDG2</b>	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, 1 x IrDA, 1 x LPC Realtek HD 5.1CH Audio, GPIO and 2 x PCI Express mini card, <b>2 x Giga LAN</b> Support <b>Four X1 &amp; One X16</b> PCI Express interface
<b>FS-A74FTDG2</b>	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, 1 x IrDA, 1 x LPC Realtek HD 5.1CH Audio, GPIO and 2 x PCI Express mini card, <b>2 x Giga LAN</b> Support <b>One X4 &amp; One X16</b> PCI Express interface

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