

Industrial Single Board Computer

PICMG 1.3 Full-size CPU Card FS-A76

Support 3rd Generation Intel® Core™ i7/ i5/ i3/
Pentium® Desktop Processor
Onboard VGA, DVI, HD Audio
Intel® Gigabit LAN , Serial ATA
PCIE X16 , PCIE Minicard, PCI.TPM



Form Factor	PICMG 1.3 Full-size CPU Card
CPU	Supports 3rd Generation Intel® Core™ i7/ i5/ i3/ Pentium® Desktop Processor Package type: FCLGA1155
Memory	Two DDR3 1066/1333 DIMM up to 16 GB
Chipset	Intel® BD82Q77 PCH
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	ACPI 3.0 compliant, supports power saving mode
Serial ATA Interface	Intel® Q77 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.
VGA Interface	Intel® Clear Video integrated HD Graphics Technology
DVI Interface	Onboard DVI with 20-pin connector
Audio Interface	Intel® integrated Q77 with Realtek ALC888 HD Audio.
LAN Interface	One Intel® 82574L Gigabit LAN & One Intel®82579LM Gigabit LAN support iAMT8.0
GPIO interface	Onboard programmable 8-bit Digital I/O interface.
Extended Interface	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,
Internal I/O Port	1 x RS232/422/485, 1 x GPIO port, 1 x CDIN connector, 1 x Audio connector, 1 x IrDA, 1 x SIM socket, 1 x SMBUS connector, 5x Serial Port, 4 x USB 2.0, 4 x USB3.0, 1 x Parallel port.
External I/O Port	1 x PS/2 Keyboard/Mouse Port, 2 x RJ45 LAN ports, 1 x DB15 VGA port,
Power Requirement	+5V, +12 DC input & 5V _{SB} Requirement
Dimension	338 mm x 126 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Taiwan Commate Computer Inc.

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Ordering Code	
FS-A76TDG	Onboard VGA, DVI, 4 x USB2.0, 4 x USB3.0, 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, 1 x Giga LAN (82579LM) Support Four X1 & One X16 PCI Express interface
FS-A76FTDG	Onboard VGA, DVI, 4 x USB2.0, 4 x USB3.0, 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, 1 x Giga LAN (82579LM) Support One X4 & One X16 PCI Express interface
FS-A76TDG2	Onboard VGA, DVI, 4 x USB2.0, 4 x USB3.0, 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, 2 x Giga LAN Support Four X1 & One X16 PCI Express interface
FS-A76FTDG2	Onboard VGA, DVI, 4 x USB2.0, 4 x USB3.0, 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, 2 x Giga LAN Support One X4 & One X16 PCI Express interface

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