

Industrial Shoebox Computer

AREMO-6163-06P3-8113

6th Gen Intel® Core™ i5/i7 Processors
Based Industrial Motion Control
System for Semiconductor Equipment



FEATURES

- Intel 6th Gen Intel® Core™ i5/i7 processors in LGA1151 package
- DDR4 2133/1866 MHz memory, 2x 288-pin DIMM sockets, up to 32 GB
- Triple independent display by DVI-D, VGA, and HDMI
- Dual Gigabit Ethernet, USB 3.0/2.0, SATA III, and COM port



New HDD Drive Design



Two Adjustable Card Retainer Position



Plastic Fan Filter

SYSTEM

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|----------------------|--|
| Processor | Intel® Core™ i5/i7 processors up to 3.4 GHz (35~65W) in LGA1151 package |
| Chipset/Core Logic | Intel® Q170 PCH |
| System Memory | Supports up to 32GB DDR4 2133/1866 SDRAM on 2x 288-pin DIMM sockets |
| BIOS | AMI uEFI BIOS (SPI ROM) |
| Storage Devices | 6x SATAIII drives (Dual ports via Backplane) RAID 0, 1, 5, 10 |
| Watchdog Timer | Programmable via S/W from 0.5 sec. to 254.5 sec |
| Expansion Interface | From CPU (Core™ i5/i7): 1x PCI Express x16 or 2x PCI Express x8 or 1x PCI Express x8 + 2x PCI Express x4 by jumper setting (Gen3 up to 8.0 GT/s) From PCH: 1x PCI Express x4 or 4x PCI Express x1 by different BIOS support |
| Hardware Monitoring | CPU & system temperature, onboard voltages |
| Chassis Construction | Heavy-duty steel |
| Dimension | 260(W) x 420.8(D) x 172(H) mm; 10.24"(W) x 16.56"(D) x 6.77"(H) |
| Video | VGA |
| LAN | 2x Gigabyte Ethernet |

I/O

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|--------------------|--|
| MIO | 1x RS-232 + 1x RS-232/422/485 LPC to COM port IC: Fintek F81216DG |
| Ethernet Interface | 2x Gigabyte Ethernet |
| Audio | Intel® High Definition Audio, 5.1 channel audio |
| USB | 10x USB 3.0 ports & 2x USB 2.0 ports |

POWER SUPPLY

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|----------------------------|--------------------------------|
| Input Voltage | 550W 90V ~ 264V AC, full range |
| Input Frequency | 47 ~ 63 Hz |
| Input Current | 6A@90V |
| Efficiency | > 68% |
| Holdup Time | 17 ms. at full load@25°C |
| Over Voltage Protection | +5V@7V; +3.3V@4.3V; +12V@15.6V |
| Over Power/Load Protection | Output power over 110%~140% |
| MTBF | 75,145 hrs |
| EMI & Safety Approval | UL, TUV |

ENVIRONMENT

| | |
|-----------------------------|------------------------------------|
| Operating Temperature Range | Operation temperature: 0°C to 60°C |
| Storage Temperature Range | -20 to +80°C |
| Relative Humidity | 5% to 95%, non-condensing |