

Industrial Single Board Computer

3.5 inch Miniboard LE-37D

Support Intel® Processor J1900/N2930/E3845 CPU with Onboard VGA, DVI, 2 x LVDS, Display port, HD Audio, Serial ATAI, USB3.0 & 2.0, Gigabit LAN, PCIE Mini card, mSATA



Form Factor	3.5 inch motherboard
CPU	Intel® Processor J1900/N2930/E3845, package type FCBGA1170
Memory	1 x DDR3L (support 1.35V) 1066/1333 DIMM up to 8GB
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	Supports ACPI 5.0 compliant
Serial ATA Interface	1 x serial ATA interface with 300MB/s(3Gb/s) transfer rate
VGA Interface	Intel® Clear Video integrated HD Graphics Technology
DVI Interface	Onboard DVI connector. <i>(DVI and LVDS1 can't be enabled simultaneously)</i>
LVDS Interface	2 x Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
Display port Interface	Onboard Display port connector. <i>(Display port and LVDS2 can't be enabled simultaneously)</i>
Audio Interface	Realtek ALC262 High Definition Audio Codec
LAN Interface	2 x Intel® I210 Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface.
Extended Interface	2 x PCIE Mini card(1 x mSATA option), 1 x SIM socket, 1x CFast <i>(CFast and mSATA can't be enabled simultaneously)</i>
Internal I/O Port	4 x RS232, 1 x RS232/422/485, 1 x GPIO, 1 x Audio connector, 1 x SMBUS connector, 1 x CRT, 2 x LVDS, 1 x LPC, 4 x USB 2.0(XHCI) and 1 x SATAII
External I/O Port	1 x RS232, 1 x DVI port, 1 x Display port, 2 x RJ45 LAN ports, 1 x USB 3.0(XHCI)/2.0(EHCI) port, 1 x USB 2.0 ports(EHCI).
Power Requirement	6~27V full range DC Input
Dimension	146mm x 101mm
Temperature	Operating within 0~60 °C (for LE-37DJ and LE-37DN serial) Operating within -40~75 °C (for LE-37DE serial)

Ordering Code

LE-37DJIP	Intel Celeron Processor J1900 (2M Cache, 2.42GHz), DVI, Display Port, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA ,CFast
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LE-37DNIP	Intel Celeron Processor N2930 (2M Cache, 2.16GHz), DVI, Display Port, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA, CFast
LE-37DEIP	Intel Atom Processor E3845 (2M Cache, 1.91GHz), DVI, Display Port, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA, CFast
LE-37DJX2	Intel Celeron Processor J1900 (2M Cache, 2.42GHz), 2 x LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA, CFast
LE-37DNX2	Intel Celeron Processor N2930 (2M Cache, 2.16GHz), 2 x LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA, CFast
LE-37DEX2	Intel Atom Processor E3845 (2M Cache, 1.91GHz), 2 x LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA, CFast

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