

Industrial Single Board Computer

Nano-ITX Motherboard LN-D70

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



Form Factor	Nano-ITX motherboard.
CPU	Bay Trail Intel® Celeron™ J1900 / N2930 and Atom™ E3845 Mobile Processor. Package Type: FCBGA1170.
Memory	1 x DDR3L (support 1.35V) 1066/1333 SO-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	2 x SATAII(3Gb/s), 2 x SATAIII(6Gb/s).
VGA Interface	Intel® Clear Video integrated HD Graphics Technology.
DVI Interface	Onboard DVI connector. (DVI and LVDS1 can't be enabled simultaneously)
LVDS Interface	2 x Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply.
Display port Interface	Onboard Display port connector. (Display port and LVDS2 can't be enabled simultaneously)
Audio Interface	Realtek ALC262 High Definition Audio Codec.
LAN Interface	1 x Intel® I210 Gigabit LAN.
GPIO interface	Onboard programmable 8-bit Digital I/O interface.
Extended Interface	1 x PCIE Mini card or mSATA, 1 x SIM socket.
Internal I/O Port	4 x RS232, 1 x GPIO, 1 x Audio connector, 1 x SMBUS connector, 1 x CRT, 2 x LVDS(Optional), 2 x LCD inverter(Optional), 1 x LPC, 2 x USB 2.0 and 2 x SATAII, 2 x SATAIII.
External I/O Port	1 x PS/2 Keyboard/Mouse Port, 1 x RS232, 1 x RS232/422/485, 1 x DVI port(Optional), 1 x Display port(Optional), 1 x RJ45 LAN ports, 1 x USB 3.0(XHCI) port, 1 x USB 2.0 port.
Power Requirement	6~27V full range DC Input.
Dimension	120mm x 120mm. (L x W)
Temperature	Operating within 0~60 centigrade(for LN-D70J and LN-D70N serial) Storage within -20~85 centigrade.(for LN-D70J and LN-D70N serial) Operating within -40~85 centigrade(for LN-D70E serial) Storage within -40~85 centigrade.(for LN-D70E serial)

Ordering Code

LN-D70JIP	Intel Celeron Processor J1900 (2M Cache, 2.42GHz), DVI, Display Port, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, , SMBUS, GPIO, SIM, LPC, mSATA.
LN-D70EIP	Intel Atom Processor E3845 (2M Cache, 1.91GHz), DVI, Display Port, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA.

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LN-D70NIP	Intel Celeron Processor N2930 (2M Cache, 2.16GHz), DVI, Display Port , CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA.
LN-D70JX2	Intel Celeron Processor J1900 (2M Cache, 2.42GHz), 2 x LVDS , CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA.
LN-D70EX2	Intel Atom Processor E3845 (2M Cache, 1.91GHz), 2 x LVDS , CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA.
LN-D70NX2	Intel Celeron Processor N2930 (2M Cache, 2.16GHz), 2 x LVDS , CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, SATAIII, Audio, PCIE Mini card, SMBUS, GPIO, SIM, LPC, mSATA.

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