# Single Board Computer

***Half-size***

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**IOWA-LX**

***Half-size Pure ISA CPU Card with On-board AMD Geode™ LX600 Processor (366 MHz), 128KB L2 cache, On-board 128MB Memory, VGA, LAN, USB 2.0, CF, COM, LPT, Audio and RoHS***

Inverter

SMBus

IDE

Infrared

RS-232/422/485

RS-232

**On-board 128MB memory**

FDD 4 x USB 2.0

DIO

LPT

Audio

AMD LX600

24-bit TTL

KB/MS

LAN

# *Specifications*

CPU

2 x SATA

VGA

KB/MS

CF Type II DDR SO-DIMM

up to 512 MB

**Performance Comparison Chart**

**ZD CPU MARK 99**

IOWA-LX platform can easily replace the IOWA-GX platform without any impact to the system for increased levels of performance.

**14.1**

**28.4**

30

25

20

15

10

On-board AMD Geode™ LX600 processor (366 MHz), 128KB L2 cache Chipset

IOWA-LX-2019-V10

AMD Geode™ CS5536

BIOS

Award BIOS Memory

One 200-pin 266/200 MHz DDR SDRAM SO-DIMMs supports up to 512MB

On-board 128MB DDR 266/200 MHz memory Graphics Engine

VGA integrated in the AMD Geode™ LX600

Display Output

Single HD VOP 2.0 output 1 x VGA (up to 1920x1440) 1 x TFT (up to 1600x1200) External I/O Interface

1 x KB/MS 1 x RS-232

Internal I/O Interface

1 x CF Type II 1 x RS-232/422/485 (2x7 pin, P=2.54)

1. x FDD (2x17 pin) 1 x LPT (2x13 pin)

1 x IDE (2x10 pin) 4 x USB 2.0 (2x4 pin, P=2.54)

1. x SATA (RAID 0/1 supported on IOWA-LX-600S-R10) Ethernet

10/100Mbps Realtek RTL8100C Ethernet controller

Audio

Realtek ALC203 with AC’97 codec 1 x Front audio (2x5 pin) Expansion

ISA bus supported via golden finger Digital I/O

8-bit digital I/O (2x5 pin)

Infrared Interface

1 x Infrared Interface (1x5 pin) Watchdog Timer

Software programmable supports 1~255 sec. system reset

FAN connctor

1 x Smart fan (1x3 pin) Power supply

5V/12V, AT/ATX support

Power Consumption 5V@1.51A, 5VSb@0.09A

(On-board AMD Geode™ LX 600 CPU 366 MHz with 128MB 200 MHz on- board DDR memory and 512MB 333 MHz DDR memory)

Operating Temperature

-10ºC ~ 60ºC Storage Temperature

-20°C ~ 70°C

Operating Humidity

5% ~ 95%, non-condensing Weight

GW: 1000g / NW: 250g

CE/FCC compliant

5

0

**IOWA-LX** IOWA-GX

Geode™

AMD

Fanless

***CERTIFIED USB***

USB 2.0

***Hi-Speed***


# *Features*

* ISA CPU card with on-board AMD Geode™ LX600 processor (366 MHz), 128KB L2 cache
* Flexible on-board DDR SDRAM and one SO-DIMM slot
* Enchanced TTL, RS-232, RS-422/485 and USB 2.0 interfaces for extened connectivities
* IEI One Key Recovery solution allows you to create rapid OS backup and recovery

# *Packing List*

|  |
| --- |
| 1 x IOWA-LX-600 single board computer |
| 1 x Audio cable |
| 1 x IDE flat cable |
| 1 x KB/MS Y cable |
| 1 x USB cable |
| 1 x Mini jumper pack |
| 1 x QIG |

***Ordering Information***

|  |  |
| --- | --- |
| Part No. | Description |
| IOWA-LX-600-R10 | Half-size pure ISA CPU card with on-board AMD Geode™ LX600 processor (366 MHz), 128KB L2 cache, on-board 128MB memory VGA, LAN, USB 2.0, COM, CF, LPT, audio and RoHS |
| IOWA-LX-600S-R10 | Half-size pure ISA CPU card with on-board AMD Geode™ LX600 processor (366 MHz), 128KB L2 cache, on-board 128MB memory VGA, LAN, USB 2.0, SATA, CF, COM, LPT, Audio and RoHS |
| 19800-000049-RS | LPT flat cable, 240mm, P=2.54 |
| 19800-004400-200-RS | RS-232 & RS-422/485 cable with bracket, 14-pin to two DB-9, 255mm, P=2.54 |
| 32801-000703-500-RS | SATA (7-pin to 7-pin) cable, 500mm |
| 32200-000017-RS | FDD Cable, 520mm, P=2.54 |