

Embedded Computer

## Syslogic leanBOX

Embedded compact computer with AMD Geode LX700 processor



## Syslogic leanBOX

The Syslogic leanBOX is based on the AMD Geode LX700 processor technology and offers a wide range of interface options such as USB, LAN, serial interfaces and CAN. Additional functions can be integrated through PC/104. The robust and uncompromising industrial design allows implementation in the most demanding applications and warrants long term availability.

- Best performance at lowest cost
- Low power
- 24/7 continuous operation
- Long term availability



### Product Highlights

Watchdog  
Temperature supervision  
Real Time Clock  
Persistent Flash BIOS  
ESD- protection on all interfaces  
No active cooling required  
No moving parts

### Product Feature

AMD Geode LX700 processor  
433 MHz / 874 MIPS  
RAM on Board  
Socket for CF  
Ethernet, PS/2, USB, RS232  
PC/104 bus for card extension  
Isolated CAN

### Markets / Applications

Industrial Automation  
Retrofit / Legacy applications  
Refurbishing  
PLC replacement

	Order Code	IPC/LEANBOX-1A	IPC/LEANBOX-1AC
<b>Processor / Performance</b>			
AMD Geode LX700, 433MHz / 874 MIPS		•	•
<b>Memory</b>			
128kB L1 cache (64kB instruction / 64kB data)		•	•
128kB L2 cache		•	•
128MB DDR333 SDRAM		•	•
1.44MB ROM Floppy emulation		•	•
NV-RAM on 32 Pin Socket		•	•
<b>Peripherals</b>			
VGA Graphic controller up to 1920x1440 resolution		•	•
Socket for CF Card	1	1	1
IDE Interface Standard (1 Master, 1 Slave) <sup>1</sup>		•	•
Real time clock PC compatible		•	•
Watchdog		•	•
Temperature supervisor		•	•
<b>Communication Interfaces</b>			
PC/104 bus interface (internal connector)	1	1	1
USB version 2.0	2	2	2
Mouse / Keyboard PS/2	1	1	1
Ethernet 10/100Mbit (Intel 82551)	1	1	1
RS232 ESD protected (16550A)	2	2	2
CAN version 2.0b, SJA1000, ESD protected, isolated (DSUB9)			2
Modem <sup>2</sup>		optional	optional
LPT Parallel printer port <sup>2</sup>		optional	optional
<b>Technical Data</b>			
Dimensions w164 x h48 x d152mm		•	•
Net weight in gram		~700	~700
Input Voltage 19 ... 30VDC non-isolated		•	•
Current consumption typ. in mA @ 24V without Add-Ins		~375	~420
Power consumption typ. in Watts @ 24V without Add-Ins		9	10
<b>Environmental Conditions</b>			
Standard operating temperature (ambient) 0°C ... +55°C		•	•
Storage temperature -40 ... +90° C		•	•
Protection standard: IP20		•	•
Vibration: designed to meet EN60068-2-27		•	•
Shock: designed to meet EN60068-2-6		•	•
EMI-Conformity EN-55022/55024/61000-6-2/61000-6-4		•	•

<sup>1</sup> On internal header

<sup>2</sup> Please contact factory for minimum order quantities.

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

© 2012 Syslogic Datentechnik AG  
All rights reserved

Syslogic Datentechnik AG  
Täferstrasse 28  
CH-5405 Baden Dättwil

Version 1.1 | August 2012

For further information and support:  
[info@syslogic.com](mailto:info@syslogic.com)  
[support@syslogic.com](mailto:support@syslogic.com)  
[www.syslogic.com](http://www.syslogic.com)

+49 7741 9671-420 Germany and Austria  
+41 56 200 90 40 Switzerland

 **syslogic**  
industrial computing