

# Syslogic **Product Overview**

Embedded Systems | Touch Panel PC's | CPU Boards



### **Embedded computers and display solutions direct from the manufacturer**



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**Syslogic** is a leading European manufacturer of industrial computers, embedded systems and touch panel systems for demanding applications in areas such as machinery and vehicle construction as well as transportation and railway technology. All products are developed and manufactured exclusively in Europe. For more than 25 years Syslogic has stood for robust custom-designed systems with long-term availability. In addition to traditional product support, the company offers its customers expert engineering project support.

As a systems integrator with its own SMD component placement capability, Syslogic is also able to customize industrial computers and touch panels cost-effectively to any customer's specific requirements, even in volumes starting at just 25 units. In addition, a wide selection of interfaces, processors and housings (to Protection Class IP67) are available.

A common feature of all Syslogic products is their uncompromising industrial design. They come without any moving parts and are designed to withstand a true extended temperature range from -40 to +85 degrees C. This also makes them well suited for use in extremely harsh conditions.

A man with glasses and a blue and white checkered shirt is holding a white industrial I/O board with ten ports. He is standing in an office environment. In the background, there is a poster on the wall that says "boards & solutions" and "No complex embedded computing required". The poster also features an image of a black industrial computer board. To the right, there is a potted plant and some office equipment.

**boards & solutions**

No complex embedded computing required

100% PC  
100% Windows  
100% Open Source

100% Industrial  
100% Embedded  
100% Real Time



**«We offer the right  
computer for any  
industrial application.»**



### COMPACT MS Series

The Compact MS Series stands out due to its small physical design and minimal power consumption. Thus these units are well suited for use as protocol converters in monitoring and control systems, for instance in traffic-control systems. As do all Syslogic computers, these extremely small Compact MS units meet the highest requirements in terms of ruggedness and a long service life. The computers come without any moving parts and are designed to operate in a temperature range from -40 to +70 degrees C.

<b>Processor:</b>	ARM
<b>CPU Clock:</b>	184 MHz
<b>Memory:</b>	32 MB SDRAM on Board
<b>Interfaces:</b>	Compact flash socket, Ethernet, RS232, RS485, USB (internal only)
<b>Operating system:</b>	Linux, Windows CE



### COMPACT XS Series

You can choose among a variety of processor platforms for the Compact XS Series. Further, the computers can be configured with a multitude of interfaces and can be combined with common field bus systems. The Compact XS Series is thus quite versatile in terms of applications and is particularly well suited for rail mounting. Because it comes without any moving parts, the Compact XS Series – like all Syslogic products – is suited for continuous operation (24/7).

<b>Processor:</b>	LX800, Vortex86DX, ARM9
<b>CPU Clock:</b>	Scalable, 184 MHz – 800 MHz
<b>Memory:</b>	Up to 256 MB
<b>Interfaces:</b>	VGA, compact flash socket, Ethernet, EtherCAT, RS232, RS422, RS485, PS/2, USB, CAN, PROFIBUS
<b>Operating system:</b>	Linux, Windows CE, Windows Embedded Standard 2009, DOS



### COMPACT SL Series

Powerful Intel or AMD processors combined with a small physical design and an attractive price/performance ratio make the Compact SL Series the ideal solution for very demanding, high-performance industrial applications. An additional microcontroller also guarantees the highest level of data security even during a shutdown phase. Because of the flat physical construction, all connections can be located on one side, which provides for great flexibility in system assembly.

<b>Processor:</b>	Atom Z5xx/E6xxT, LX800
<b>CPU Clock:</b>	500 MHz – 1.6 GHz
<b>Memory:</b>	Up to 2 GB DRAM
<b>Interfaces:</b>	DVI-A/D, compact flash socket, Ethernet, EtherCAT, serial interfaces, radio module, USB, CAN galvanically isolated
<b>Operating system:</b>	Linux, Windows CE, MS DOS, Windows Embedded Standard 2009, Windows 7, RTKernel a.o.



### COMPACT ML Series

The computers in the Compact ML Series are among the universal solutions in the Syslogic range. They come with two Ethernet ports, two isolated CAN interfaces, four USB interfaces and six serial ports. The units can be combined with common I/O and field bus systems and can additionally be expanded with further interfaces. Just as with the Compact SL Series, they employ powerful processor platforms from Intel and AMD. Because of this feature set, Compact ML units are suited in particular for automation and control applications. Besides, the units are designed for true extended temperature ranges.

<b>Processor:</b>	Atom Z5xx/E6xxT, LX800
<b>CPU Clock:</b>	500 MHz – 1.6 GHz
<b>Memory:</b>	Up to 2 GB DRAM
<b>Interfaces:</b>	VGA/DVI, compact flash socket, Ethernet, EtherCAT, serial interfaces, radio module, USB, CAN galvanically isolated
<b>Operating system:</b>	Linux, Windows CE, MS DOS, Windows Embedded Standard 2009, Windows 7, RTKernel a.o.



### COMPACT M Series

Versatile interface options in a small physical design have long made the Compact M Series a very popular selection within the Syslogic product range. Besides Ethernet and RS232 ports, computers in the Compact M Series feature a parallel port for interfacing to printers and can be expanded with a wireless module. In addition, they can be equipped with optional RS485 interfaces and provided with a special protective coating for outdoor applications.

<b>Processor:</b>	LX800, Vortex86DX, Vortex86DX2, ARM9
<b>CPU Clock:</b>	Scalable, 184 MHz – 1 GHz
<b>Memory:</b>	Up to 1 GB RAM
<b>Interfaces:</b>	VGA, compact flash socket, Ethernet, serial Interfaces, WiFi module, LPT, USB, CAN
<b>Operating system:</b>	Linux, Windows CE, Windows Embedded Standard 2009



### RPC COMPACT 71 Series

With the RCP (Rugged PC) Compact 71 Series, Syslogic has once again raised the bar for robust industrial computers. The housing made of tough anodized aluminum is resistant to dust, water and chemicals and thus qualifies for Protection Class IP67. Within the housing, RPC Compact 71 units can boast of having one of the new scalable Queens Bay platforms from Intel. In addition, all RPC Compact 71 computers feature a realtime clock (RTC) supported with a maintenance-free Gold Cap capacitor, and they further stand out with their use of the very latest connector technology that withstands even high levels of shock and vibration.

<b>Processor:</b>	Intel Atom E620T, E640T, E660T, E680T
<b>CPU Clock:</b>	0.6 GHz – 1.6 GHz
<b>Memory:</b>	DDR2 SDRAM up to 2 GB
<b>Interfaces:</b>	Ethernet, RS232, RS485, USB, CAN, FPD Link II
<b>Operating system:</b>	Linux, Windows Embedded, Windows CE, Windows Compact 7



## RETROFIT Series

Developments in the electronics sector continue at a phenomenal pace. So quickly, in fact, that the mechanical sections of machines and systems often outlast their electronic components. In such cases, it's more economic to upgrade and modernize existing systems than to replace them completely. Often, though, individual electronic components are not available or are no longer in production.

Syslogic has reacted to this challenge with the Retrofit Series. Various backwards-compatible boards and embedded PCs can be easily integrated into older systems. As a systems house, Syslogic relies on the Retrofit Series to allow it to implement customer-specific modifications quickly and cost-effectively. Besides manufacturing the units, this expert in industrial electronics also takes over system integration aspects for the customer.

<b>Processor:</b>	Diverse x86 and ARM
<b>CPU Clock:</b>	Scalable up to 1.6 GHz
<b>Memory:</b>	Up to 2 GB
<b>Interfaces:</b>	Serial interfaces, parallel interfaces, video, audio, field bus, Wifi modules
<b>Operating system:</b>	Windows, Linux, real-time capable, DOS a.o.

**«We adapt our touch panels to our customers' specific requirements.»**

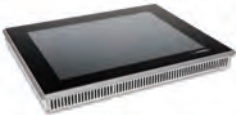




### INFRARED TOUCH PANEL Series

Infrared technology is based primarily on interrupting beams of light. An invisible infrared barrier can be operated with your bare hands, with gloved hands or even with an arbitrary object. Syslogic, in an effort to meet the high requirements of industrial applications, equips its Infrared Touch Panel systems with a front panel made of robust laminated safety glass that is resistant to impacts, scratches and chemicals. This makes the panels particularly well suited for outdoor applications. A wide range of interfaces ensure interconnections to systems without any trouble.

<b>Display:</b>	10.4" to 15"
<b>Processor:</b>	Intel® Atom™ 1.6 GHz, LX800
<b>Memory:</b>	Up to GB DRAM
<b>Interfaces:</b>	Ethernet, USB, IDE interface, RS232, RS485, CAN SJA1000, SRAM, DiskOnChip, EEPROM, 10...30VDC Power Supply
<b>Operating system:</b>	Windows Embedded Standard, Windows Embedded 7, Linux



### PROJECTED CAPACITIVE TOUCH PANEL Series (built-in)

PCT (Projected Capacitive Touch) technology combines the intuitive operation of conventional resistive touch screens with the high demands industry places on robustness and durability. Syslogic's PCT Series stands out through its wear-free, scratchproof touch screen that features a flat surface without any edges that could collect dirt. This makes these projected capacitive touch panels quite interesting for the food-processing industry. Just like all Syslogic touch panel systems, PCT units are available as either a touch panel PC or simply a touch panel display.

<b>Display:</b>	From 10.4 Zoll
<b>Processor:</b>	Intel® Atom™, 1.6 GHz
<b>Memory:</b>	Up to 2 GB DRAM
<b>Interfaces:</b>	Ethernet, USB, IDE interface, RS232, RS485, CAN SJA1000, SRAM, DiskOnChip, EEPROM, 10...30VDC Power Supply
<b>Operating system:</b>	Windows Embedded Standard, Windows Embedded 7, Linux



### **PROJECTED CAPACITIVE TOUCH PANEL Series (Vesa mount)**

Besides offering a classic version of the PCT Series for integration into a system, Syslogic also provides models suitable as Vesa mount devices. These combine a modern design with rugged mechanics and thus are ideally suited for industrial applications. With their standardized Vesa 100 mounting bracket, the units can be attached to virtually any controls in systems or machinery. Just like the integrated versions, this PCT units also come without edges that could collect dirt, and thanks to state-of-the-art PCT technology they are totally maintenance free.



### **PROJECTED CAPACITIVE TOUCH PANEL Series (open frame)**

The Projected Capacitive Touch PC is also available in an open frame version that features all the functionality of the standard version and meets Protection Class IP68. Thus it is especially well suited for outdoor applications such as interactive information terminals. Thanks to a sophisticated mechanical design, these units can be installed flush with the front from the rear of a system and thus provide protection against vandalism.

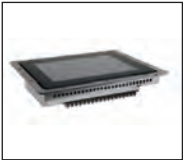
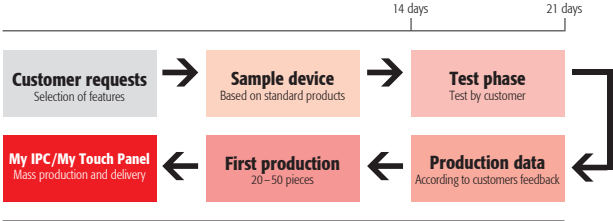
<b>Display:</b>	From 10.4"
<b>Processor:</b>	Intel® Atom™, 1.6 GHz
<b>Memory:</b>	Up to 2 GB DRAM
<b>Interfaces:</b>	Ethernet, USB, IDE Interface, RS232, RS485, CAN SJA1000, SRAM, DiskOnChip, EEPROM, 10...30VDC Power Supply
<b>Operating system:</b>	Windows Embedded Standard, Windows Embedded 7, Linux

<b>Display:</b>	From 10.4"
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<b>Operating system:</b>	Windows Embedded Standard, Windows Embedded 7, Linux

### MySyslogic – the smart component solution

With a wide range of standard products and through components that can be combined with each other in virtually any way, Syslogic can adapt its industrial computers and touch panels quickly to any customer's specific requirements. In this regard, Syslogic profits from its roughly 25 years of experience as a systems integrator in the electronics sector.

### Fully functional prototypes within just two weeks





# «We offer the right computer for any industrial application.»

## **MySyslogic – the smart component solution**

Thanks to modules that can be assembled in virtually any combination, we can quickly adapt our industrial computers to your exact requirements.

You can also select from a wide range of enclosures with protection up to IP67. In addition, these units can be equipped with **various processor platforms as well as numerous interfaces**. A common feature of all Syslogic products is a fanless design suitable for continuous operation.

We will be pleased to develop a customized IPC solution that's just right for you. Contact us for a no-obligation quote.

**[www.MySyslogic.com](http://www.MySyslogic.com)**

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 **syslogic**  
industrial computing

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