

Steel S15 Data Sheet

Stainless steel industrial PC: food safe and waterproof – IP67 (NEMA 6)

The S15's smoothed housing, made of rust-proof V2A stainless steel, has a perfectly smooth surface which repels dirt, dust and water. The specially bevelled gaskets made of food-safe rubber encase the 15-inch touch display and the special function keys without any gaps or seams. Thanks to its completely closed construction, regular cleaning is an uncomplicated process. The S15 is even protected against temporary submersion and is certified in accordance with protection class IP67 (NEMA 6). This makes it an ideal choice for use under the most demanding of hygienic requirements, such as in food production, in clinical areas, and in chemical and pharmaceutical laboratories.

Technical Datasheet Steel S15

● standard ○ optional – not available

board version N 8B 8C

Enclosure	Completely sealed, no external fan	●	●	
	Material: V2A stainless steel (1.4301) polished dimensions: WxHxD: 16.5x14,2x5,3 inch (418x360x133 mm³) approx. 14,2 kg; 31.3 lbs	●	●	
Display	15.0" TFT display XGA (1024x768) – 450 cd/m²	●	●	
Touch	Resistive analog touch screen	●	●	
	Protective film for touch screen	○	○	
CPU	Intel Celeron M 1,0 GHz (512kB Cache)	●	–	
	Intel Pentium M 1,4 GHz (2MB Cache)	–	●	
Memory	512 MB	●	●	
	up to 2 GB (2 SO-DIMM-sockets)	○	○	
Video controller	Intel 3D-Graphiccontroller 855GME, max. 64 MB	●	●	
Network	Intel 82551QM 10/100 MBit	●	–	
	Intel 82541PI 10/100/1000 MBit Wireless LAN	–	○	
Hard Disk	40 –80 GB	●	●	
Interfaces	COM 1 RS232	●	●	
	COM 2 RS232	●	●	
	COM 1 RS232 galv. isolated, RS422/485, TTY	○	○	
	COM 2 RS232 galv. isolated, RS422/485, TTY	○	○	
	LPT (ECP, EEP or SSP compatible)	○	○	
	4 x USB 2.0 (add. intern 1 x USB 2.0)	●	●	
	Ethernet network (RJ 45)	●	●	
	Monitor DVI-I (VGA via adaptorconnector)	●	●	
	2 x Firewire 400	–	●	
	PS/2 keyboard, mouse via Y cable	●	●	
	Floppy (only USB)	●	●	
	Expansions/Slots	Compact-Flash slot (Type II)	●	●
		Mini PCI	●	●
2 x PCI Slot (7,9 inch (200mm) long)		●	●	
Special Functions	Micro controller (monitoring, control, evaluation)	●	●	
	Automatic brightness control	●	●	
	Automatic temperature monitoring	●	●	
	Automatic voltage monitoring	●	●	
	Touch controller (panel control and readjustment)	●	●	
	MCU setup	●	●	
Input Voltage	20 Function Keys	●	●	
	100 – 240 VAC	●	●	
	24 VDC (18–32 VDC)	○	○	
	100 – 240 VAC with external standard power supply 8 V up to 140 VDC with external DC/DC converter	○	○	
Environment	up to IP67 (NEMA 6), depending on connector protection	○	○	
	Operating temperature range 32° to 104° F (0 to 40° Celsius) Storage: –4° to 140° F (–20° to 60°C)	●	●	
Mark of Conformity	CE, FCC			
Operating Systems	Windows NT, 2000, XP, XP Embedded, LINUX, DOS			



The S15 fully sealed stainless steel enclosure for the highest hygiene standards



Connector protection using special covers – up to IP67 (NEMA 6)



Simple operation using touch screen and virtual keyboard

The Steel S15: robust use under the strictest hygienic requirements

With its completely closed construction and integrated housing made of smoothed, rust-proof V2A stainless steel, the S15 is specially constructed for use under the strictest hygienic standards. This robust industrial PC, with its heavy-duty connector locks, has been designed with attention to detail for the highest degree of dependability. That is how it can withstand mechanical stress and chemical exposure, such as vibrations, shocks, dust and liquids (e.g. water jets, acids or alkaline substances). Optionally available acid and alkaline-resistant touchscreen protective sheets ensure that you can safely use the luminous 15-inch touch display and all of its additional function keys in the most diverse of production environments.



Simple cleaning and disinfecting: the ideal IPC for food processing

Broad use and minimal space requirements

The premium design of the noax all-in-one motherboards with sophisticated climate management result in a compact, robust design with no ventilation slots or external fan. The S15 is provided with Intel CPUs (up to 1.4 GHz), Ethernet or optional WLAN, and other options for expansion using the internal slots or the many on-board interfaces. The overall system offers a high level of performance, compatibility, and expandability for peripheral devices such as identification, weighing or packaging systems. Users will benefit from the standard high-contrast touch displays, four LED special function keys for ON/OFF, brightness and calling up the terminal operating states, and an additional 20 freely programmable function keys.



20 freely programmable function keys

The noax micro-controller – the plus for reliability

The noax Micro-Controller installed as standard in all noax industrial PCs automatically performs many monitoring, control and statistical functions, such as counting operating hours, temperature and internal voltage monitoring or backlight control. The controller can be individually adapted to customer requirements. Furthermore, noax uses a touch controller developed in-house that performs the automatic control and adjustment of the touch screen. In addition, as a service, noax configures all IPCs to meet specific customer requirements as part of a ready to use installation. You only need to switch it on!



Active component protection thanks to the noax Micro-Controller

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