

Steel S19 Data Sheet



Stainless industrial PC: food safe and waterproof – NEMA4 (IP65)

The S19 is characterized by its completely smooth, rustproof V2A stainless steel enclosure. The use of a special tapered food safe rubber seal between the bezel and the 19 inch touch screen means that this noax IPC has no hidden slits and joints. This allows it to satisfy the stringent hygiene standards required in food processing, clinical areas, chemical or pharmaceutical laboratories. Its fully enclosed design without ventilation slots and external fans makes the S19 completely protected against splashed water and so achieves the NEMA4 (IP65) grade of protection.



The S19 fully sealed stainless steel enclosure for the highest hygiene standards

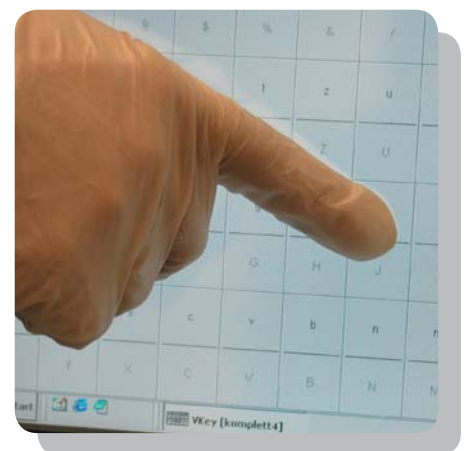
Technical Datasheet Steel S19

● standard ○ optional – not available

| | | board version N | 8B | 8C | |
|------------------------------------|---|------------------------------|----|----|--|
| Enclosure | Completely sealed, no external fan | ● | ● | | |
| | Material: V2A stainless steel (1.4301) polished | ● | ● | | |
| | dimensions: WxHxD: 19.6x17.1x5.4 inch (498x435x136 mm ³) approx. 21,5 kg; | ● | ● | | |
| Display | 19.0" TFT display XGA (1280x1024) – 300 cd/m ² | ● | ● | | |
| Touch | Resistive analog touch screen | ● | ● | | |
| | Protective foil 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 | 60 GB | ● | ● | | |
| Interfaces | COM 1 RS232 (optional RS422/485, TTY) | ● | ● | | |
| | COM 2 RS232 (optional 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 | | ● | ● | | |
| Special Functions | Micro controller (monitoring, control, evaluation) | ● | ● | | |
| | Automatic temperature monitoring | ● | ● | | |
| | Automatic voltage monitoring | ● | ● | | |
| | Touch controller (panel control and readjustment) | ● | ● | | |
| | MCU setup | ● | ● | | |
| | 20 Function Keys | ● | ● | | |
| Input Voltage | Standard 24 VDC stabilized | ○ | ○ | | |
| | 100 - 240 VAC with standard power supply | ○ | ○ | | |
| | 9 V up to 140 VDC with external dC/dC converter | ○ | ○ | | |
| Environment | NEMA12 (IP54) (with IP54 connector cover) | ○ | ○ | | |
| | NEMA4 (IP65) (with IP65 connector cover) | ○ | ○ | | |
| | Operating temperature range 32° to 104° F (0 to 40° Celsius) | | | | |
| | Storage: -4° to 140° F (-20° to 60°C) | | | | |
| | Vibration resistance DIN EN 60068-2-6 | | | | |
| Shock resistance DIN EN 60068-2-27 | | | | | |
| Mark of Conformity | CE, FCC | | | | |
| Operating Systems | Windows NT, 2000, XP, XP Embedded, LINUX, DOS | | | | |



Connector protection using special covers – NEMA4 (IP65)



Simple operation using touch screen and virtual keyboard

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The S19: designed for the highest hygiene standards

The S19 with its polished V2A stainless steel enclosure, designed without any ventilation slots and external fans susceptible to failure, was specially developed for use under the highest hygiene requirements. Its robust and compact design and the standard use of industrial locking connectors protect the industrial PC from extreme mechanical and chemical conditions such as vibration, shock, dust, acids or alkaline solutions. Optionally, the touch displays can also be covered with various easily removable touch sensitive protective foils to protect against various acid and alkaline solutions. This allows the 19 inch stainless steel IPC to be customized for a wide range of production environments.



Simple cleaning and disinfecting: the ideal IPC for food processing

Ingenious technology coupled with simple operation

The S19 excels with its ingenious temperature management. Due to its fully enclosed design and the omission of external fans, the S19 offers maximum performance, compatibility and expandability together with extreme robustness. Depending on the application, the S19 is available with one of two different noax "All-In-One" boards. Intel processors with up to 1.4 GHz clock frequency, the comprehensive provision of on-board interfaces, and the many upgrade possibilities using, for example, PCI boards, open the possibility to connect various peripheral devices. Examples are identification, weighing or packing systems. Furthermore, the standard touch screen and high contrast displays offer excellent readability and operation.



Wide range of mounting possibilities, such as with wall brackets

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