

Steel Series



- Compact and rugged design in V2A stainless steel housing
- Completely closed – without external fans up to IP69k (NEMA 6)
- Available display sizes 12, 15 and 19 inches
- Easy cleaning and disinfection – no gaps and chinks
- Expandable by interfaces and standard slots
- Simple connection of various peripheral devices
- 20 freely programmable function keys
- Easy operation via integrated touch panels
- Optimized readability with bright/high-contrast TFT displays

Technical Data Steel Series

● standard ○ optional – not available

	Type Board version	S12		S15		S15G2		S19		
		N8T	N8B N8C	N8T	N8B N8C	N8T	N8B N8C	N8T	N8B N8C	
Enclosure	Completely sealed, no external fan	●	●	●	●	●	●	●	●	●
	Material: V2A stainless steel (1.4301) polished	●	●	●	●	●	●	●	●	●
	Dimensions: 364x254x78 mm ³ (WxHxD) – approx. 6.0 kg	●	●	●	●	●	●	●	●	●
	Dimensions: 424x313x98 mm ³ (WxHxD) approx. 8.5 kg	-	-	-	●	●	●	-	-	-
	Dimensions: 418x360x133 mm ³ (WxHxD) – approx. 14.2 kg	-	-	-	-	-	-	●	●	●
Display	Dimensions: 498x438x136 mm ³ (WxHxD) – approx. 21.5 kg	-	-	-	-	-	-	●	●	●
	30.7 cm / 12.1" TFT display SVGA (800x600) – 350 cd/m ²	●	●	●	-	-	-	-	-	-
	30.7 cm / 12.1" TFT display XGA (1024x768) – 320 cd/m ²	○	○	○	-	-	-	-	-	-
	38.1 cm / 15.0" TFT display XGA (1024x768) – 430 cd/m ²	-	-	-	●	●	●	-	-	-
	38.1 cm / 15.0" TFT display XGA (1024x768) – 450 cd/m ²	-	-	-	-	-	-	●	●	●
Touch	48.3 cm / 19.0" TFT display SXGA (1280x1024) – 300 cd/m ²	-	-	-	-	-	-	●	●	●
	Resistive analog touch screen	●	●	●	●	●	●	●	●	●
CPU	Protective film for touch screen	○	○	○	○	○	○	○	○	○
	Intel® Celeron® M 800 MHz	●	●	●	●	●	●	●	●	●
	Intel® Celeron® M 1,0 GHz (512kB Cache)	-	●	-	-	●	-	-	●	-
Memory	Intel® Pentium® M 1,4 GHz (2MB Cache)	-	-	●	-	-	●	-	-	●
	1 GB	●	●	●	●	●	●	●	●	●
	2 GB	-	○	-	-	○	-	-	○	-
	1 SO-DIMM socket	●	●	●	●	●	●	●	●	●
Graphics controller	2 SO-DIMM sockets	-	●	●	-	●	●	-	●	●
	Intel® 3D Graphics controller 852GM, max. 64 MB	●	-	-	●	-	-	●	-	-
	Intel® 3D Graphics controller 855GME, max. 64 MB	-	●	●	-	●	●	-	●	●
Network	Intel® 82551QM 10/100 MBit	●	-	-	●	-	-	●	-	-
	Intel® 82541PI 10/100/1000 MBit	-	-	-	-	-	-	-	-	-
	Wireless LAN	○	○	○	○	○	○	○	○	○
	Hard Disk	80 GB, optional SSD	●	●	●	●	●	●	●	●
Interfaces	RS232 (COM 1, COM 2)	●	●	●	●	●	●	●	●	●
	RS232 galv. isolated, RS422/485 (COM 1, COM 2)	○	○	○	○	○	○	○	○	○
	LPT (ECP, EPP or SPP compatible)	○	○	○	○	○	○	○	○	○
	4 x USB 2.0 (additional 1 x USB 2.0 internal)	●	●	●	●	●	●	●	●	●
	Ethernet network (RJ 45)	●	●	●	●	●	●	●	●	●
	Monitor DVI-A (VGA only, via adaptor)	●	-	-	●	-	-	●	-	-
	Monitor DVI-I (VGA via adaptor)	-	-	-	-	-	-	-	-	-
	2 x Firewire 400	-	-	-	-	-	-	-	-	-
	PS/2 keyboard, mouse via Y cable	●	●	●	●	●	●	●	●	●
	Expansions/Slots	CompactFlash slot (Typ II)	●	●	●	●	●	●	●	●
Mini PCI		●	●	●	●	●	●	●	●	●
2 x PCI slot (200 mm long)		-	-	-	-	-	-	-	-	-
2 x PCI slot (210 mm 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	●	●	●	●	●	●	●	●	●
	20 function keys	-	-	-	-	-	-	●	●	●
Input Voltage	24 VDC (18-30 VDC)	●	●	●	●	●	●	○	○	○
	100-240 VAC (external power supply)	○	○	○	○	○	○	○	○	○
	100-240 VAC (internal power supply)	-	-	-	-	-	-	●	●	●
	8 V bis zu 140 VDC with external DC/DC converter	○	○	○	○	○	○	○	○	○
Environment	up to IP65 (NEMA 4) (depends on connector cover)	○	○	○	○	○	○	○	○	○
	up to IP67 (NEMA 6) (depends on connector cover)	-	-	-	-	-	-	○	○	○
	up to IP69k (NEMA 6) (depends on connector cover)	-	-	-	-	-	-	○	○	○
	Operating temperature range 0 to 40° Celsius	-	-	-	-	-	-	●	●	●
	Operating temperature range 0 to 45° Celsius	●	●	●	●	●	●	-	-	-
	with heating option -20° to 45° Celsius	○	○	○	-	-	-	-	-	-
	with extended neg. temp. range -25° to 45° Celsius	-	-	-	○	○	○	-	-	-
	with extended op. temp. range -30° to 45° Celsius	-	-	-	-	-	-	○	○	-
Storage temperature -30° to 60° Celsius	●	●	●	●	●	●	●	●	●	
Storage -20° to 60° C (-30°C with extend. op. temp.)	●	●	●	●	●	●	●	●	●	
Mark of Conformity	CE, FCC	●	●	●	●	●	●	●	●	●
Operating Systems	Windows® NT, 2000, XP, 7, XP Embedded, LINUX, DOS	○	○	○	○	○	○	○	○	○

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