

**For extreme environmental influence**

Industrial PCs and industrial panels of the S-Line series offer a perfect platform for any application.

The patented modular design principle of the individual components you are able to design and freely configure your personal line. All types are offered in various case materials with a protection class up to IP69K.

Extensive accessories make all basic appliances individually configurable for your required application. Discover the unlimited options of modification and find out about news and the current further development of the S line. All models come with the new, energy-efficient LED technology or the well-known CCFL backlight.

**Features**

- Hygiene conform with high protection type up to IP69k – high pressure cleaning resistant
- Touch screen resistive / capacitive
- VESA holder 100 mm
- Service-friendly structure with removable IPC unit on the rear side of the panel

**Options**

- Case in V4A
- Manufactured for outdoor application up to -20°C
- Flat surface front
- Authentication via RFID reader

**Application areas**

Factory automation, machine construction, automation, outdoor (with CRE air conditioning kit)

## 19" Stainless Steel Industrial Panel PC S-Line 19 - Atom N270



Specifications: see next page

Display Specifications		
TFT Characteristics	Type	19" Color TFT
	Max. Resolution	1280 x 1024 pixel
Mechanics	Brightness	300 cd/m <sup>2</sup> typical
	Contrast Ratio	1300:1 typical
	Sunlight readable	360/1000 cd/m <sup>2</sup> , 1300:1
	Touchscreen	Resistive all glass touch capacitive touch safety glass front surface
	Nr. of colours	16.7 million
	Dimensions	458 x 440 x 45 mm
	Weight	8 kg
IPC Specifications		
CPU	Atom N270	1,6 GHz, 512KB L2, FSB533
Main storage	1 GB DDR2, max 2 GB	
	Chip set	Intel 945GSE
	Graphics	dual Graphics 224 MB
	Watchdog	256 levels
Drives*	HDD	2,5" 250- 1000 GB / 1 Sata / CF-Card
	Solid State Disk (optional)	2,5" 8-256 GB
Interfaces (rear side)		1 x 1 Gbit LAN RJ45 IP67 2 x USB 2.0 IP67
	Optional	1 x 1 Gbit LAN RJ45 IP67
Internal interfaces	3 x USB 2.0 ,1x LPT, PS/2 (Y)	
	Optional lead out	1 x RS232, 1 x RS232/485/422, Speaker, Mic, Line-In, HD-5.1
	Extensions	CF-II, 2xRS232
	Digital I/O	Digital I/O 4/4
Operating systems**	Optional	
	WLAN Optional	802.11 b/g/n
Supply voltage*** (optional)	Input	~30 W
Environmental	Ambient temperature	0° ~ 50°C
	Operating temperature	-20°C with heating kit (optional)
	Storage temperature	-20°C ~ 80°C
	Relative air humidity	5 ~ 90% non condensed
* Shock-resistant quick snap with installation brackets		
** 24V DC with wider range input 9-36 VDC / optionally internal power supply 230VAC		
*** Windows 2000, XP, XPe, Vista, Windows 7, Linux, others upon request		

Specifications are subject to change without notice.

## • Monitors

Desktop Monitors  
Large screen Monitors  
Custom-made Monitors  
19" Rack Mount Monitors  
Rear Mount Monitors  
Monitors for Panel Mount  
Monitors for VESA Mount  
Kiosks  
Accessories

## • Monitors – Specific applications

Stainless Steel Monitors  
Car Displays  
Marine Monitors  
Military Monitors  
Replacement Monitors  
Train Monitors

## • Panel PC's

High Performance Systems  
Custom made Panel PC's  
Low Power Systems  
Extreme environments

## • Pointing devices

Accessories  
Touchpads  
Trackballs  
Trackball Modules  
Joysticks  
Custom made Pointing Devices

## • Keyboards

Desktop Keyboards with or without pointer  
Built-in Keyboards with or without pointer  
Cables & Connectors  
Custom made Keyboards



Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don't just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

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