

SH Industrial Computer

SH10, SH12, SH15

SOREDI
touch systems



The powerful computer for industry of the series SH in display sizes SH 10, SH 12 and SH 15 offer highly-robust, fan-less PC technology in a completely closed chassis for stationary as well as mobile use.

Industrial Computer for stationary as well as mobile use.

The IPC have been developed and produced in-house. They are designed especially for operation in rough environments. For this reason the series SH is made of modern industry-proven components, which ensure reliable performance under extreme conditions.



The IPC are based on an energy saving AMD® DualCore-, Intel® DualCore- or Intel® QuadCore-architecture in an extreme slim and light chassis. By using LED displays they operate without any problems in temperature range of +55°C to -35°C. As touch components the industrial 2-tail technology with a very sturdy surface and a buffer layer are deployed.

The Industrial PC SH10, SH12 and SH15 have been designed especially for mobile use in industrial-, forklift-trucks or commissioning trucks. It can also be used stationary at the incoming goods area in logistic center and cold-stores. Its resistance on hard demands in production environments makes it eligible for successful operation in machine control or access control.

Highlights

- Completely closed fan-less chassis, developed and produced in Germany
- Extremely resistant against mechanical impacts as shock or vibration
- Allround protected against dust and humidity (to IP 54 to IP65/67)
- Low temperature usage without heating in a temperature range from -35°C to +55°C
- Especially slim and all the same robust chassis design
- Display with LED-Backlight, to XGA and 500 cd, HD quality
- CPU: AMD® DualCore 2 x 1 GHz mit 2 GB, Intel® DualCore 2 x 1,33 GHz mit 2 GB oder Intel® QuadCore 4 x 1,91 GHz mit 4 GB
- Windows® 7 Professional and Windows® Emb. Standard 7
- Motion Sensor, programmable unit controller
- Extensive options like integrated LEGIC-reader or UHF reader for identification of pallets

Technical Data SH10, SH12 und SH15

Chassis		Coated aluminium, no-fan design
	Mounting	Bracket for stationary and mobile use
	Size	SH10: 278 x 223 x 64 mm, SH12: 325 x 254 x 64 mm, SH15: 380 x 305 x 64 mm
	Weight	SH10: 3,4 kg, SH12: 4,1 kg, SH15: 5,6 kg
Display LED (internal)		SH10: 10,4" Colour-TFT, SVGA 800 x 600, 400 cd/m ² , 4,8 Watt
		SH12: 12,1" Colour-TFT, SVGA 800 x 600, 500 cd/m ² , 6,0 Watt
		SH12: 12,1" Colour-TFT, XGA 1024 x 768, 500 cd/m ² , 9,0 Watt
		SH15: 15,0" Colour-TFT, XGA 1024 x 768, 450 cd/m ² , 9,5 Watt
Touch-Screen		Resistive Analog-Touch-Screen, 4 or 8 Wire, Bufferlayer and Two-Tail connection
Architecture	CPU Intel	Intel® DualCore 2 x 1,33 GHz and Intel® QuadCore 4 x 1,91 GHz
	CPU AMD	AMD® DualCore 2 x 1 GHz
	Sound	On Board: high definition audio incl. amplifier
Software	Operating-System	Windows® 7 Professional, Windows® Embedded Standard 7 Linux, opt.: WEC 7 and Android
	Emulation/Browser	VT100, VT220, IBM 5250, Citrix Client, Freefloat, Naurtech
Software certified		RFID Legic, Mifare, Hitag and UHF, Pick by Voice, SAP
Mass storage	SSD	SSD 80 to 600 GB, industrial incl. write-protection
	CFast	CFast 32 GB, 64 GB, 128 GB
Interfaces below	RS232	2 x RS 232, incl. 5 or 12 VDC available for scanner
	USB	2 x USB 2.0, 1 x USB 3.0
Internal slots	WLAN, WPAN	1 x PCIeMini Card for WLAN or combi-module WLAN/Bluetooth
	USB	1 x USB 2.0
	Sound	1 x Sound
Interfaces on-top	USB	1 x USB 2.0
	SDHC	1 x SDHC
	HDMI	1 x HDMI for monitor connection incl. AMD DualCore
	CFast	1 x CFast base with AMD DualCore
Network connection	WLAN	IEEE 802.11 a / b / g / n, Bluetooth 4.0
	RJ45	Ethernet 10/100/1000 MBit/s on Board
Aerial		Dual aerials or TNC, RP-TNC for offset aerials
Power supply (internal) for	AC voltage	110/230 VAC, 64 W, 50 to 60 Hz
	Direct current	12/24 VDC and 24/48 VDC voltage, 40 W, galvanically isolated, Voltage lack up to 6V respectively 12V for >5 ms bridgeable
	Power consumption	Typically 18 W, Green Power nach EUP 2011 < 0,5 Watt idling cycle
Features	Automatic shut-off	Via signal or on/off switch at the front
	Front keys	S1-S4, KEY request, light/dark
Environmental conditions	Protective system	IP54 / IP65 / IP67 (after approved assembly of the cable cover)
	Testsymbol	CE/FCC Class A
	Temperature ranges	Operation: -35° to +55°C, Storage: -40° to +70°C
	Rel. humidity	10% to 90% at 40°C, non-condensing
	Vibration/Shock	Class 5M3 at EN 60721-3-5: 1998 (landcrafts)