



SH10", 12", 15"

## Industrial Multitouch Computer

powered by **SOREDI**  
touch systems

### Product Description

#### Features of the SH Series SH10 , SH12 and SH15

The IPC was developed and produced in-house . They are specially designed for use in harsh environments. For this reason exclusively modern and industrial grade components are used for the SH series products to ensure reliable operation under extreme conditions.

The IPC is based on an energy-saving Intel Atom or AMD dual-core architecture in an ultra-thin and lightweight body . By using a LED Displays they work easily in a temperature range from +55 ° C to -35 ° C. As a touch - component the indestructible two -tail technique is used with a hardened surface and buffer layer .

The Industrial PC SH10 , SH12 and SH15 were geared especially for mobile use on forklift trucks , stackers or commisioning wagons . They are also used in stationary receipt of logistics centers and frozen storage . They withstand the tough demands in production environments and are therefore successfully used for machine control or in access control .

#### Highlights:

- Fully enclosed and fan-less enclosure , developed and produced in Germany
- Extremely resistant to mechanical influences such as shock and vibration
- Complete protection against dust and moisture (up to IP 54 to IP65/67 )
- Supports cool chain without heating at a temperature range of -35 ° C to +55 ° C
- Super-slim , yet robust housing design
- Display with LED backlight , 500 cd to XGA and HD quality
- CPU : Intel Atom 1.1 GHz , 1.6 GHz or AMD Dual Core 2x1 GHz with integrated Radeon HD6250
- Windows ® 7 and Windows ® Emb Standard 7 , Windows ® XP and Windows ® Embedded Standard 2009
- Motion sensor , programmable unit controller
- Extensive options such as integrated LF , HF or UHF reader for persons and / or pallets identification "

#### RFID Optional USB (LF, HF and UHF) or via BT

The Soredi SH series can be enhanced over the USB Slot with various RFID USB Dongle Reader (LF, HF and UHF). In addition it combines perfectly over the Bluetooth connection with handy BT reader like AGX DOT900, AGX Orkan, AGX 288 or AGX287 (UHF) or any other BT device.

\* in preparation LF, HF and UHF

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| <b>Article no:</b>  | <b>SHxx Blackline</b>   |   |
| <b>Typical Applications</b>   |   |   |
| <ul style="list-style-type: none"> <li>•Manufacturing</li> <li>•Finance</li> <li>•Gaming</li> <li>•Insurance</li> </ul> | <ul style="list-style-type: none"> <li>•Health Care</li> <li>•Education</li> <li>•Hospitality</li> <li>•Transportation</li> </ul> | <ul style="list-style-type: none"> <li>•Vehicle Maintenance &amp; Diagnostics</li> <li>•Automotive</li> <li>•Retail &amp; POS</li> <li>•Home Automation</li> <li>•Security</li> </ul> |

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| Technical Specifications | SH Series  |
|--------------------------|--|
| Operating System         | Windows® 7 Professional, Windows® Embedded Standard 7 Linux, opt.: CE u. Android   |
| Processor                | Intel® Atom™ Prozessor 1,1 GHz, 1,6 GHz oder AMD DualCore 2x1 GHz  |
| Emulation/Browser        | VT100, VT220, IBM 5250, Citrix Client, Freefloat, Naurtech   |
| SW certified             | RFID Legic, Mifare, Hitag und UHF, Pick by Voice, SAP  |
| Memory                   | 1 GB on-board DDR 2 Memory, 400/533 MT/s oder 2 GB DDR 3 mit AMD DualCore  |
| Storage                  | SSD 80 up to 600 GB, industrial with write protection  |
| CFast                    | CFast 16, 32, 64 GB  |
| Touch-Screen             | Resistiver Analog-Touch-Screen, 4 oder 8 Wire, Bufferlayer und Two-Tailanschluss   |
| Sound / Audio            | On Board: High Definition Audio with amplifier   |
| Display                  | SH10: 10,4" Farb-TFT, SVGA 800 x 600, 400 cd/m², 4,8 Watt<br>SH12: 12,1" Farb-TFT, SVGA 800 x 600, 450 cd/m², 6,0 Watt<br>SH12: 12,1" Farb-TFT, XGA 1024 x 768, 500 cd/m², 9,0 Watt<br>SH15: 15,0" Farb-TFT, XGA 1024 x 768, 400 cd/m², 9,5 Watt |
| Keys                     | S1-S4, KEY action, light/dark  |
| LAN, WLAN, WWAN          | 1 x RJ45 Ethernet 10/100/1000 MBit/s on Board<br>1 x WLAN IEEE 802.11 a / b / g / n or Combi module WLAN/Bluetooth   |
| Internal interfaces      | 1 x USB 2.0, 1 x Sound   |
| Interfaces bottom        | 2 x RS 232, one with 5 or 12 VDC for Scanner, 2 x USB 2.0<br>PS/2-keyboard and mouse connector   |
| Interfaces top           | 2 x USB, 1 x SDHC, 1 x HDMI for monitor connection, 1 x CFast socket   |
| Antennas                 | Dual antenna or TNC, RP-TNC for separated antennas   |
| Power Supply             | AC 110/230VAC, 64 W, 50 bis 60Hz<br>DC 12/24 VDC und 24/48 VDC , 40 W, galvanic separated,<br>power breaks up to 10 Volt for max. 20 sec can be supported  |
| Power consumption        | Typical 18 W up to 30 Watt, Green Power according to EUP 2011 < 0,5 Watt   |
| Additional functions     | Power off automatic of ignition key or ON/OFF switch at the front  |
| Housing                  | Coated aluminium, fanless design   |
| Holder                   | Holder for fix mount or mobile applications  |
| Dimensions               | SH10: 278 x 223 x 66, SH12: 325 x 254 x 66, SH15: 380 x 305 x 67, SH21: 555 x 360 x 84   |
| Weight                   | SH10: 3,6 kg, SH12: 4,7 kg, SH15: 6,5 kg, SH 21: 10,8 kg   |
| Regulatory               | CE/FCC Class A   |
| Operating temperature    | -35° up to +55°C   |
| Storage temperature      | -40° up to +70°C   |
| Protection class         | IP54 / IP65 / IP67 (with cable cover according to specs)   |
| Humidity                 | 10% bis 90% bei 40°C, non condensing   |
| Vibration                | Klasse 5M3 nach EN 60721-3-5: 1998   |

### SH Serie (State of the art Forklift Computer)



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