



Product information MOBILE 1000/1200

The FORSIS MOBILE series integrates contradictions!

- Minimum external dimensions of the equipment versus maximum LCD range of vision
- Robust aluminum/steel housing versus minimum weight
- performance CPU technology versus optimal heat dissipation

With the aim to find the optimal solution from these contradictions and oppositenesses, the FORSIS GmbH developed the MOBILE series.

From our data sheet you can reread the resultings by yourself. With the MOBILE series a new equipment platform developed, which unites efficiency, weight and dimensions perfectly.



The Features

place of action / use

case material

degree of protection[EN60529]

approvals

radio connection

temperature range in standard:

assembly opportunity

cable supply

power supply

MOBIL in forklift truck

face frame aluminum, powdered, RAL 9003, red

CPU case, steel, powdered, RAL 7032, light-grey

Mounting plate, aluminum, RAL 9005, black

IP65 at the front, IP52 connection side

CE, FCC, planned E1 MOT approval

WLAN after IEEE 802.11 a/b/g/n

-20°C till 50°C

VESA 100 bore hole pattern

from downside, strain relieved,
protected

DC from 9V - 30V



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Device specifications			MOBILE 1000 91610	MOBILE 1200 91620
dimensions [mm]	B x		265	295
	H x		235	260
	T		70	70
Weight	[kg]		3,3	5.1
Display	diagonal solution viewport B x H in mm		10,4" SVGA 215 x 163	12,1 XGA 245 x 185
Input	Touch, analogue resistive, also operable with gloves and stylus		•	•
	protection pane 2mm		○ 91611	○ 91621
Output	External CRT-connection		•	•
memory	Compact Flash 4GB or bigger		•	•
	Hard disk 2,5", 40 GB, automotive	91700	○	○
brightness sensor	The background lighting LCD is adapted in dependence of the measured environment brightness.		•	•
Status indication	1: Power / 2: HDD active / 3. Error / 4. Message LED for heat, fan and so on.		•	•
USV unit	External Tension support.	91710	○	○
WLAN	SUMMIT WLAN Adpater IEEE 802.11 a/b/g/n inkl. 3x MIMO Antenna	91720	○	○
Sound Support	2x2W loudspeaker integrated	91730	○	○
Ignition	ignition signal control	91740	○	○
COM / Vcc	2. serial interfaces with Vcc on PIN 2 for Scanner	91750	○	○
desk mounting plate	Detailed information you can find in our data sheet - mounting plates	91800	○	○
wall mounting plate		91810	○	○
shortened mounting plate		91820	○	○
keyboard stacking		91825	○	○
Scanner mounting plate	mounting of a SYMBOL LS3478 ...		○	○
heating	temperature control		•	•
	Heater module for till -30°C		○	○
sunshade	plastic cover, collapsible		○	○

Device specification

Processor	INTEL® - ATOM™ Z530 .	Z530P
	Frequenz	1,6 GHz
ventilation	Heat dissipation by case convection	fanless
Main memory	1x 200 pin 400/533MHz DDR2 SDRAM SO DIMM	2 GB
Interfaces	RS232	1
	USB 2.0, bootable	4
	Ethernet, PXE, 10/100 Mbit	1
	Keyboard and mouse connection (Y-cable)	•
expansions	MINI PCI express	1
Free slots	IDE0	•



technical specifics

Characteristics during voltage supply of the MOBILE series

- Minimization of the current consumption of the overall system on lowest values
- Capacity in operation approx. 25 Watt (plus any charging current for USV).
- Power pack loadable up to approximately 65 Watt
- Capacity in the Standby < 1 Watt
- Far range entrance 9-32 V. Until 30 seconds also up to 5 V possible (with mounted accumulator takes by 9 V a changeover place on battery operation).

USV unit

- Optionally interruption-free current supply (depending upon used accumulator 10 minutes until several hours, favorable standard accumulators)(USV) >30 Min).
- Minimization of the current consumption of the overall system on lowest values
- Capacity in the operation approx 25 Watt (plus any charging current for USV). (with mounted accumulator takes by 9 V a changeover place on battery operation).
- Interruption-free power supply (uses robust and temperature-resistant standard 12 Volt lead gel-accumulators)

DC-DC modifier for the installation in vehicles with different input areas and achievements:

- DC/DC far range entrance
- potential separation 1,5kV
- structure for EN60950, EN50155, EN1175, ISO20898
- regular exit, Short-circuit and no-load operation test
- over temperature protection
- Shake-safe structure, shedded modifier
- Protection against unfavorable environmental influences



cable protection / strain relief- connection side

All cable connections lie back and go off downward. For the strain relief of the cables 4x c-clamps on a carrier is applied. This carrier is removable by a secured knurled thumb screw. Concretely: Simple and unique assembly of the cables. Cable carrier remains also with the exchange of the equipment at the place of work.



protective cover - rear view

For the protection of the plug connector the entire connection side can be locked by a protection hood.

The cover becomes secured by 2 staybolts and 2 knurled thumb screws.










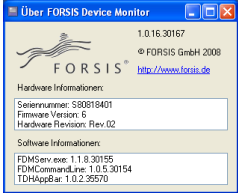
Mounting options

The aluminum carrier plate serves primarily as mechanical admission for the different mounting systems. The VESA 100 standard bore hole pattern is present. Due to the standardized connection technology all usual offerers can be supported of mounting plate systems.

The already existing mounting solutions of the FORSIS GmbH are represented in a separate data sheet.



accessory

	<p>Input support</p> <p>Additionally to the TouchScreen input it is possible since the Profi 1200 to integrate a transparency keyboard in the front range. Any external keyboard (PS/2-connection) can be always attached. Here we offer also special stacker keyboards with VESA to 100 bore hole patterns for the assembly.</p> <p>Transparency keyboard an external keyboard can work also in parallel operation</p> <p>Please consider here also our separate data sheet.</p>	
	<p>Barcode capture</p> <p>All FORSIS PC-systems can be supplemented with arbitrary Ident devices to the collection of 1 - or 2 - dimensional bar codes. All necessary interfaces such as PS/2, serial interfaces also with voltage supply and USB are present.</p> <p>Please consider here also our homepage.</p>	
 <p>Wireless LAN</p>	<p>Radio- and antenna technology</p> <p>A multiplicity of different WLAN adapters, antennas and antenna connections is available. In dependence of your radio system and your network architecture we help you here gladly with the selection. Due to our open equipment architecture we can support all usual offerers of radio systems.</p>	
	<p>FORSIS Device Monitor</p> <p>As a check and controlling of the FORSIS PC systems and their functions a supervision plate on MC-basis is realized. The connection takes place by means of internal USB interface. All life data are seized and processed.</p> <p>Please consider here also our separated Data sheet.</p>	



FORSIS The platform for your data recording

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Status: 03/05/2010 / Document name DB-E-MOB-0510.indd / Version 1.0