### Features

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows CE 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>ATMEL AT91SAM9261</td>
</tr>
<tr>
<td>Processor speed</td>
<td>210 MIPS</td>
</tr>
<tr>
<td>RAM</td>
<td>64 Mbyte SDRAM</td>
</tr>
<tr>
<td>Memory extension</td>
<td>Micro SD Card</td>
</tr>
<tr>
<td>NAND Flash memory</td>
<td>128 Mbyte</td>
</tr>
</tbody>
</table>

### Standard accessories

- Docking cable: USB cable and mains charger
- On both iMan sides: RS485 reader interface
- On D-SUB: RS232, RS485, Ethernet, USB host and client
- Handstrap on back
- Windows CE 6

### Optional functions and accessories

Docking block:
- 1x Ethernet, 9 pin RS232, RS485
- 2x USB host, 1x USB client

### User interface

- Display: 3.5” QVGA 320x240 - - TFT
  - LED backlight
  - Sunlight readable
  - Touchscreen
- Keyboard: Backlighting for night use
- Notification light: Bright full-color RGB LED
- Sound: Real Audio speaker

### Physical characteristics

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>22.3 x 9.4 x 4.2cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Appr. 580 gr.</td>
</tr>
<tr>
<td>Battery</td>
<td>2.000 mAh, NiMH</td>
</tr>
<tr>
<td>Water, dust protection</td>
<td>IP67 (with caps mounted)</td>
</tr>
</tbody>
</table>

### Optional handgrip for extra reach

Exchangeable RFID reader

### Specifications subject to change without prior notice

- RFID:
  - ISO 11784 /11785 Reads HDX & FDX-B
  - RFID synchronization with stationary readers
  - According to ISO 24631-2
  - RFID reader connection: 4 pin, RS485

- 12V vehicle charging cable

- * = available at later announcement
- ** = one piggy back option
**BioControl Reader Concept**

The RFID reader is detachable and exchangeable, which implies that the user can select the antenna configuration that is best suited for the application. This also enables the use of different technologies (134.2 kHz, 125 kHz, 13.56 MHz, etc.) using the same iMan.

**Stand alone RFID readers**

The RFID reader is actually a ‘stand alone’ reader with RS485 connection. This implies that multiple addressable readers can be connected to the same RS485 bus. The BioControl Reader Concept thus enables system integrators to easily make their own reader application with this range of rugged stationary readers.

**Best performance ISO 11785 RFID readers**

BioControl's ISO 11785 RFID readers have exceptional good reading performance. The RF-field of the readers synchronizes with stationary readers according to ISO 24631-2, which implies that the reader does not disturb the reading performance of detectable stationary readers.

**Always on-line Process Control**

The Docking Cable connects iMan with power supply, RS232, RS485, Ethernet and USB interface, which makes iMan very suited for Process Management. In case of Ethernet communication, when disconnected from the Docking Cable, iMan stays connected to the process Controller via WLAN. The user can walk around with iMan, being on-line continuously.

**Fast and easy navigation**

iMan can be used for one-hand operation (portrait) and two-hand operation (landscape) for faster data-entry. The intuitive lay-out and special function keys enable fast cursor navigation without the use of a stylus. The bright RGB-LED makes a variety of color indications possible. The on-board true-audio speaker gives an unlimited range of alerts, signals and ‘ringtones’. The TFT LCD-screen with LED backlight makes the display good readable in sunlight. The keyboard is equipped with backlight for night operation.
BioControl Reader Concept

The RFID reader is detachable and exchangeable, which implies that the user can select the antenna configuration that is best suited for the application.

This also enables the use of different technologies (134.2 kHz, 125 kHz, 13.56 MHz, etc.) using the same iMan.

Stand alone RFID readers

The RFID reader is actually a ‘stand alone’ reader with RS485 connection. This implies that multiple addressable readers can be connected to the same RS485 bus.

The BioControl Reader Concept thus enables system integrators to easily make their own reader application with this range of rugged stationary readers.

Best performance ISO 11785 RFID readers

BioControl’s ISO 11785 RFID readers have exceptional good reading performance.

The RF-field of the readers synchronizes with stationary readers according to ISO 24631-2, which implies that the reader does not disturb the reading performance of detectable stationary readers.

Always on-line Process Control

The Docking Cable connects iMan with power supply, RS232, RS485, Ethernet and USB interface, which makes iMan very suited for Process Management.

In case of Ethernet communication, when disconnected from the Docking Cable, iMan stays connected to the process Controller via WLAN. The user can walk around with iMan, being on-line continuously.

Fast and easy navigation

iMan can be used for one-hand operation (portrait) and two-hand operation (landscape) for faster data-entry.

The Intuitive lay-out and special function keys enable fast cursor navigation without the use of a stylus.

The bright RGB-LED makes a variety of color indications possible. The on-board true-audio speaker gives an unlimited range of alerts, signals and ‘ringtones’.

The TFT LCD-screen with LED backlight makes the display good readable in sunlight. The keyboard is equipped with backlight for night operation.
Features

Operating System: Windows CE 6
Processor: ATMEL AT91SAM9261
Processor speed: 210 MIPS
RAM: 64 Mbyte SDRAM
Memory extension: Micro SD Card
NAND Flash memory: 128 MByte

User interface
Display: 3.5" QVGA 320x240 - - TFT
- LED backlight
- Sunlight readable
- Touchscreen
Keyboard: Backlighting for night use
Notification light: Bright full-color RGB LED
Sound: Real Audio speaker

Optional functions and accessories
Docking block:
- 1x Ethernet, 9 pin RS232, RS485
- 2x USB host, 1x USB client
Exchangeable readers
Exchangeable handgrip for extra reach
WLAN
Piggy back**: Bluetooth 2.0*, GSM/GPRS*

Specifications subject to change without prior notice

Physical characteristics
Dimensions: 22.3 x 9.4 x 4.2cm
Weight: Appr. 580 gr.
Battery: 2.000 mAh, NiMH
Water, dust protection: IP67 (with caps mounted)

Available iMan readers
RFID
ISO 11784 /11785 Reads HDX & FDX-B
RFID synchronization with stationary readers
According to ISO 24631-2
RFID reader connection: 4 pin, RS485

Optional handgrip for extra reach
Exchangeable RFID reader

iMan Docking Block for easy connection to Ethernet, USB host and client, RS232 and RS485.
One watertight, durable D-SUB connects iMan to Docking Cable or Docking Block (connector comes with dust/dirt cover).

Specifications may be changed without prior notice.

* = available at later announcement
** = one piggy back option

www.biocntrol.no