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Manufacturer: MaxID Corp.
Model: iDL750

Manual



Product User Guide

October 2011

iDL750





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Preface

How to Use this Manual

This Product User Guide contains user instructions for the IDL750 Mobile computing device, software, docking via USB cable, data transfer and battery charging. This Preface section of the manual provides an overview of the manual's contents and organisation covering:

- Important Information
- LIMITED USE LICENSE AGREEMENT
- About this Guide: Document Conventions and Notations
- Safety and Precautions

Important Information

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About this Guide

Document Conventions

Formatting conventions are utilised throughout this manual to provide a consistent method for representing screenshots, command entries and keyboard characters.

Many drawings and diagrams in this manual are simplified and used for illustration, and as such may look different from the actual unit.

Some symbols used in this manual are only valid for specific countries and/or regions. Please contact your local authorities or dealer to confirm correct meanings and methods where applicable.

This manual also provides special conventions for notes and cautions, information of high interest to the user.



Notes contain information necessary for properly diagnosing, repairing and operating the IDL750



The CAUTION sign indicates actions that could damage equipment or property.



A WARNING sign indicates actions that could result in personal injury or the injury of other persons.

Document Font styles

`Monospaced typeface`: shows filenames, paths, field selections from a pull-down list and data or keystrokes entered by the user.

Windows Controls including command bar sequences, prompts, dialog boxes, fields, pull-down lists, checkboxes and radio-buttons are printed in this **bold** typeface.

Safety and Precautions



As with any portable computer device, precaution should be taken to avoid any damage or personal injury. The following precautions are recommended during all phases when operating, using, handling or servicing the IDL750 device.

Safety and Precautions for Handling the Lithium-ion Battery and Charger

The IDL750 makes use of sealed removable Battery-Packs that contains Lithium-ion battery cells. A safety hazard and risk of explosion may possibly occur from incorrect installation, usage or misapplication.

Do Not Disassemble, alter, modify, or insert sharp objects into the battery pack.

Do not expose the battery pack to strong impact, bumps or shock:

Electrolyte leakage, ignition or rupture may result. If exposed to such conditions, stop using the battery pack immediately.

Do Not Use with any other products:

The IDL750 removable Battery-Pack was designed for use with the IDL750 product. If used with any other product, it may cause electrolyte leakage, generation of heat, ignition or rupture.

Do Not Use the IDL750 with any other Battery pack than the one supplied or specified:

If other battery packs are used, it may result in heat generation, ignition or rupture.

Do Not Charge the battery pack in any other way than described in this manual:

If not charged as specified, electrolyte leakage, generation of heat, ignition or rupture may result.

Never use a modified or damaged charger.

Keep batteries and Charger out of the reach of children.

Do Not Throw the battery pack into a fire or Expose it to extreme or excessive heat: (for example direct sunlight for extended periods)

Generation of heat, ignition or rupture may result.

Do not short any contacts on the battery pack:

Generation of heat, ignition or rupture may result. When transporting a spare battery, it is recommended that it be placed in a plastic bag so that its contacts are protected and would not accidentally short when brought in contact with any metal objects.

When the battery pack has become degraded, replace it with a new one:

If the amount of time the IDL750 can run by using a particular battery pack becomes dramatically shorter and repeated recharging does not restore its performance, the battery pack should be replaced with a new one. Generation of heat, ignition or rupture may result from continued use of degraded batteries.

Never use a battery that has suffered abuse.

Storage:

If the battery will not be used for extended periods of time (e.g. a month or more), charge or discharge (by means of using it) the battery pack until the remaining battery level becomes 40-50%. It is recommended that the battery is periodically recharged if long storage is required without the electronics going into shutdown mode.

Store the battery pack in a **cool, dry** place with low humidity and well ventilated.

Recommended storage temperature is at <20 degrees Celsius. Do not store the battery outside of its allowable range: -20-60 degrees Celsius.

Do not expose the battery pack to water or allow it to become wet.

Charging:

When using a battery pack for the first time, ensure that the removable external batteries are charged. The initial charging cycle for both batteries is approximately five (5) hours. Subsequent charging cycles via the IDL750 device will take up to a maximum of three hours, and via the Charger up to a maximum of two and a half hours.

Use only the correct supplied 24V 2.5A Power Adaptor with the CHARGER to charge the battery pack

Use only the correct means as described in this manual to charge the battery pack:

The battery pack is designed to prevent overcharging of the battery. Using incorrect means to charge the battery could result in electrolyte leakage, generation of heat, ignition or rupture.

The battery pack may become warm during recharging or normal use: this is completely normal.

In high-temperature environments, the battery pack takes longer to fully recharge and the operating time is shorter

Recharging (or discharge) of the battery pack will not commence if internal temperature of the battery pack is outside of the allowable range: 0-45 degrees Celsius, $\leq 80\%RH$.

Do not expose the charger or power supply to water or liquids. It is not a sealed case.

Do not open the charger or power supply case. There are no user serviceable parts inside.

Use only the manufacturer's power supply with the charger and observe terminal polarity.

Place the charger in a cool spot, away from external heat sources.

Do not cover the air vent or obstruct the airflow of the charger:

This will cause overheating.

Acute Health Effects in the unlikely event of accidental exposure to battery liquids or gasses:

Should the battery leak and fluid or gas get into contact with your skin or eyes, it is to be considered serious and must be treated immediately:

Contact with eyes will cause burn. Failure to adequately administer immediate first aid may cause permanent eye injury resulting in possible blindness:

Do not rub your eyes. Immediately flush your eyes with large volumes of clear water for at least 15 minute holding eyelid open while flushing. Seek immediate professional medical attention for medical treatment and continue to flush during transport to medical facility.

Contact with Skin will cause effects ranging from severe irritation to burns that may be delayed:

Immediately wash skin with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and administer a safety shower if contamination of the torso or legs above the knee has occurred. Relief from pain and swelling may be obtained by applying topical ointments after washing. Seek immediate medical advice if significant areas of the body have been affected, or if a severe skin reaction occurs. Treatment must be immediate due to the formation of hydrofluoric acid on moist skin. Launder clothing before reuse and discard leather footwear. Soak permeable belongings in benzalkonium chloride after washing.

Indigestion will cause corrosion of the mouth and the upper gastrointestinal tract. Swelling of the tissues in the throat and mouth may result in extreme difficulty in swallowing. Significant swelling may restrict air passages:

Do not give anything by mouth to a victim who is either unconscious or is losing consciousness. If swallowed, wash mouth with water and have victim spit the wash water out. Repeat. Give one to two glasses of water to wash the throat. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to avoid aspiration. Seek immediate medical attention.

Inhalation of fumes or mists may cause the formation of hydrofluoric acid in the respiratory tract. Hydrofluoric acid is extremely toxic by inhalation:

Remove victim to fresh air. If breathing is difficult a trained person may administer oxygen at a rate of 10 to 15 litres per minute. If breathing has stopped, administer artificial respiration by use of a pocket mask or bag valve mask. Do NOT give mouth-to-mouth artificial respiration. Get medical attention immediately.



LI-ION

Disposing:

Do not dispose this battery. Contact your product supplier or appropriate local authority for information on correct means on how to dispose this battery.



Recycling:

The lithium ion battery that powers this product is recyclable. Please contact your product supplier or appropriate local authority for information on correct means on how to recycle this battery.

Safety and precautions for handling the IDL750 device

These precautions will assist in prevention of damage or personal injury and will ensure that optimal benefit is gained from using the IDL750. MaxID Corp. cannot be held responsible in any way for any damages or loss resulting from the use of the IDL750.

The IDL750 incorporates a wireless WAN modem. This modem transmits and receives radio frequency energy while switched on and users and operators need to take note of various safety precautions and guidelines in this regard.

THIS PRODUCT IS **NOT** INTENDED FOR USE AS, OR AS PART OF, NUCLEAR EQUIPMENT OR SYSTEMS, AIR TRAFFIC CONTROL EQUIPMENT OR SYSTEMS, OR AIRCRAFT COCKPIT EQUIPMENT OR SYSTEMS. MaxID Corp. WILL NOT BE RESPONSIBLE FOR ANY LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ARISING OUT OF THE FOREGOING USES.

Before storing the device away, be sure to wipe off any moisture.

Do not disassemble this product and do not allow foreign matter to enter inside the product:

Electric shock may occur when pins or areas of the circuit boards are touched, or damage to various extends may result.

Unplug the AC plug and remove the battery pack if malfunction to the IDL750 occurs:

When serious product damage, foreign objects inside the product, smoke emitted, unusual smell emitted or product becomes unusually hot, immediately turn the power off, unplug the AC plug and remove the battery. Continuing to use the product in such conditions may result in fire or electric shock.

When using the AC cord, insert the AC plug completely into the AC outlet:

If not inserted completely, fire due to overheating or electric shock may result

Do not use a damaged plug or loose AC outlet.

Do not use the AC plug if your hands are wet: Electric shock may result.

Do not connect the AC adaptor to a Power Source other than the specified or standard defined AC outlet:

Doing so could damage the device or cause fire due to overheating.

Do not damage the AC adaptor, AC cord or AC plug in any way:

Damaged cord may result in fire, short circuit, or electrical shock. Do not place the cord near hot tools, twist or pull it forcefully, place heavy objects on it, bundle it tight together, or modify the cord.

Clean dust and other debris of the AC plug regularly:

Accumulated dust or debris along with humidity may cause a defect to insulation, which may result in fire or electric shock.

Unplug the AC plug holding onto the plug itself:

Pulling on the cord may damage the cord, resulting in fire or electric shock.

Use only the correctly supplied AC cord and plug.

Use only the specified 15V 4A AC adaptor with the IDL750 product:

Using an AC adaptor other than the supplied 15V 4A one may damage the product or result in fire. TAKE CAREFULL NOTE NOT TO USE THE 24V 2.5A AC ADATOR SUPPLIED WITH THE CHARGER MODULE WITH THE IDL750 PRODUCT.

Do not use the AC adaptor if it was exposed to strong impact:

Strong impact may damage the AC adaptor which might result in short circuit, electric shock, or fire if used.

Do not expose the IDL750 to excessive high temperatures or leave it in high temperature environments for a long period of time:

Excessively exposing the product near fire or direct sunlight for extended periods may damage the product and cause trouble with internal parts. Using a damaged device may result in fire or electric shock.

Close the connector and card reader covers tightly when using this product in wet, moisture, steam, dust, oily vapour, etc. conditions:

If such matter enters the device, it may cause fire or electric shock. If it occurred, turn the device power off, unplug the AC, remove the battery and contact your technical support office.

Do not operate the IDL750 WAN modem or any applications using it in the presence of flammable gases or fumes:

Switch of the WAN (cellular) communication modules when you are near fuel depots, petrol stations, chemical plants or any area where blasting operations are in progress.

Keep SD memory cards and SIM cards away from infants and small children:

Accidental swallowing may result in bodily injury.

Use the supplied stylus on the touch sensitive screen:

Do not press down on the on display with sharp-pointed or hard objects that may leave marks or damage the display (e.g. pencils, ball point pen, nails, etc.)

Use the stylus only for touching the screen:

Using it for other purposes may damage the stylus and result in scratches on the screen.

If not using the device:

Turn the device off to optimize power consumption and battery life.

When carrying the IDL750:

Remove all external peripheral devices and cables and close all rubber covers.

When boarding a plane, switch the IDL750 off by shutting down:

The IDL750 incorporates wireless WAN modem and operation of wireless applications in an aircraft is forbidden to prevent interference with communication systems. Ensure it cannot be switched on inadvertently.

Always switch the IDL750 off by shutting down when and where the use of mobile devices is prohibited:

The use of mobile devices is prohibited in various public places and sensitive areas (e.g. in hospitals or other health care facilities). Follow any special regulations and also switch the IDL750 off where wireless WAN modem (cellular) usage is forbidden.

Switch the IDL750 off where radio transmission and receiving interference with other inadequately shielded equipment, or where danger of interference is suspected.

Maintain Road Safety and regulations:

While driving a vehicle, do not use the IDL750, or operate it in any way that could cause personal injury to the driver or passenger. Also observe and comply too your local Road Safety regulations with the use of mobile devices incorporating a wireless WAN modem while driving a vehicle. Check with individual country/state or provincial laws to determine lawful use of this product while operating within a motor vehicle.

Store the IDL750 securely in the vehicle to prevent personal injury to the driver or passenger. Do not place the device in an area over an air bag or in the vicinity where an airbag may deploy.

IMPORTANT! Emergency calls:

The IDL750's wireless WAN modem uses radio signals and cellular networks which cannot be guaranteed to connect in all conditions. **Do not rely solely** on wireless devices for essential communication and emergency calls.

Also observe your applicable cellular networks' requirements to ensure required services and features are enabled (e.g. lock functions, fixed dialling, etc.) to allow emergency calls.

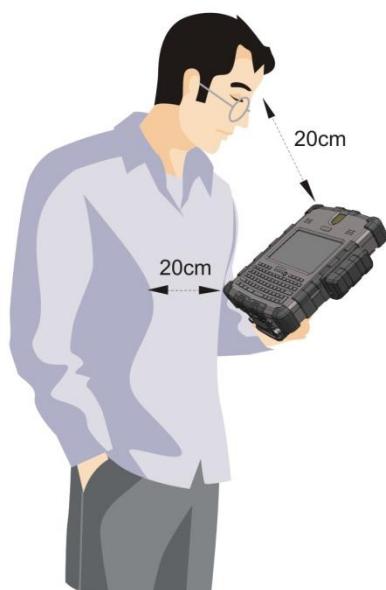
Avoid stacking the product:

If it fall over or drop, injury could result.

Only use the IDL750 within the allowable temperature range

0-45 degrees Celsius during operation and -20-60 degrees Celsius during storage.

When using the IDL750 RFID peripherals, ensure that the IDL750 device is held further than 20cm away from the user's head and torso.





Getting Started

Checking Content

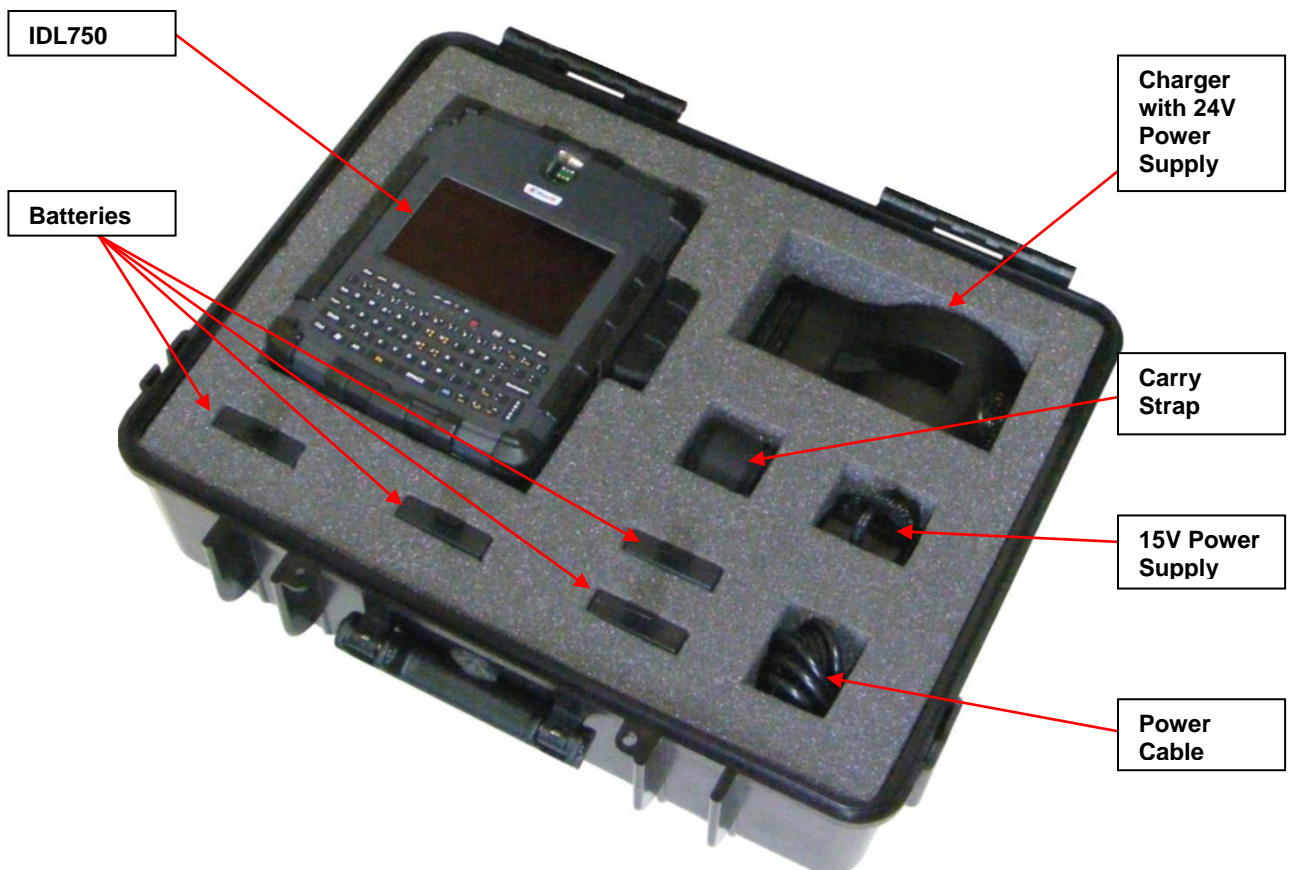
The Box

The IDL750 is packed and supplied in a Ruggedized hard plastic case along with its key accessories. For further protection against hard impacts, the case is laid out with soft firm foam having dedicated spaces for the IDL750 and each accessory.



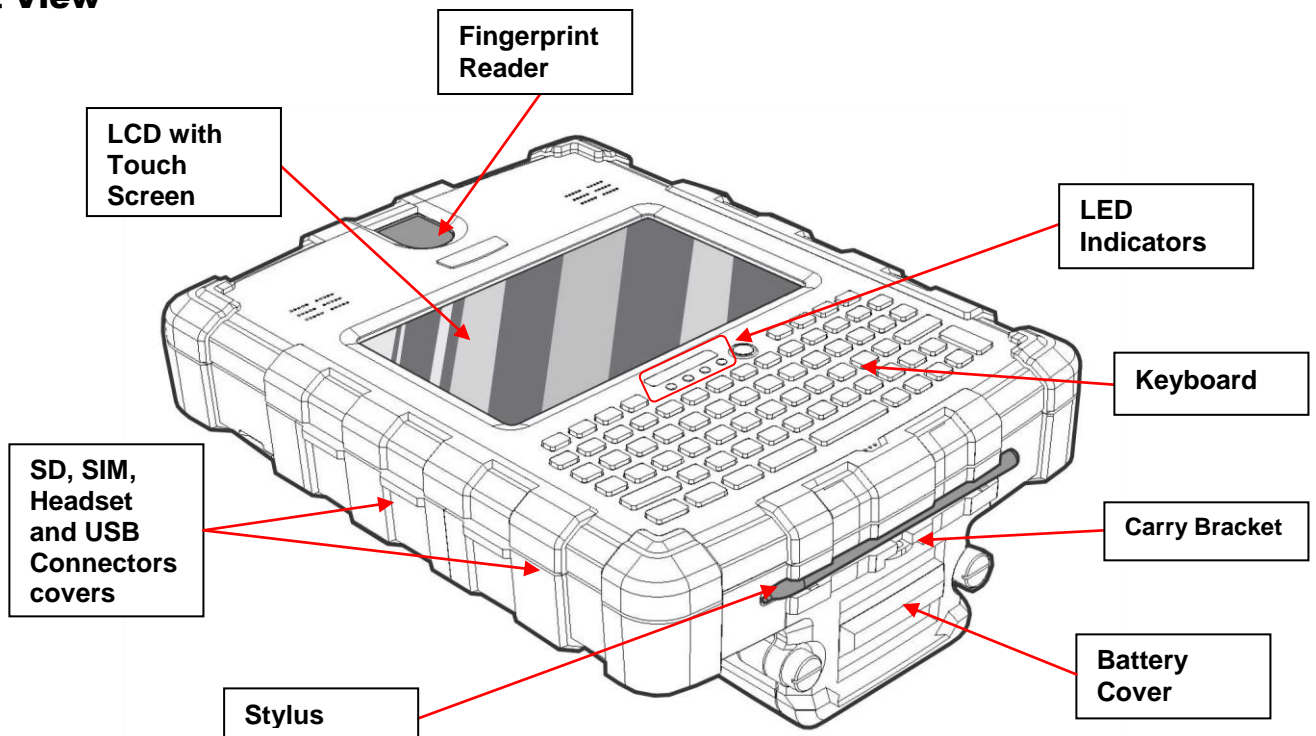
The Content

IDL750 and accessories in the case includes: 1 x IDL750 unit, 4 x IDL750 Batteries, 1 x Charger, 1 x 15V 4A AC Power Adaptor, 1 x 24V 2.5 A AC Power Adaptor, 1 x AC Power cable, and 1 x Carry Strap. Where applicable, a User Manual and recovery USB flash stick will also be included.

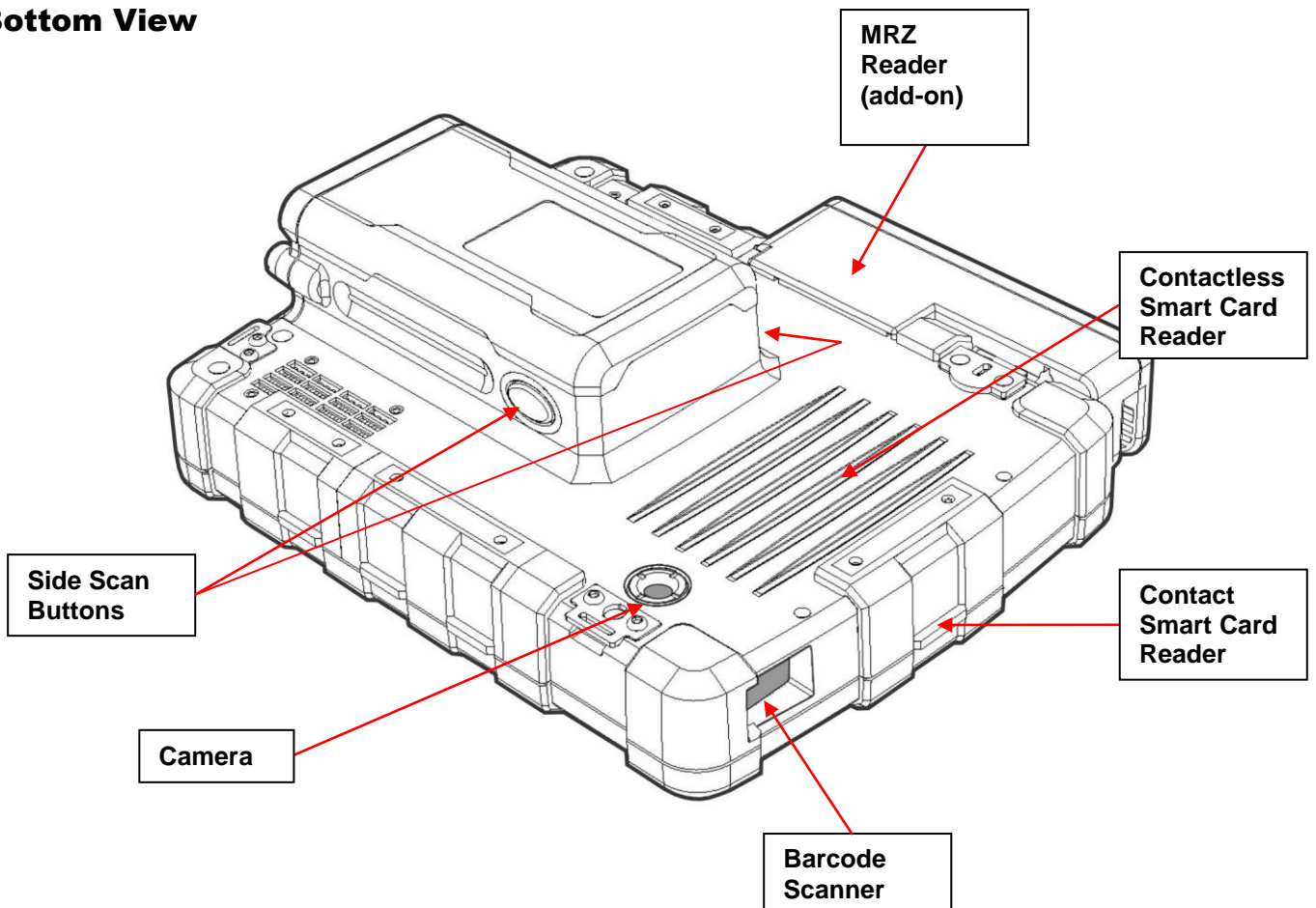


Parts of the IDL750

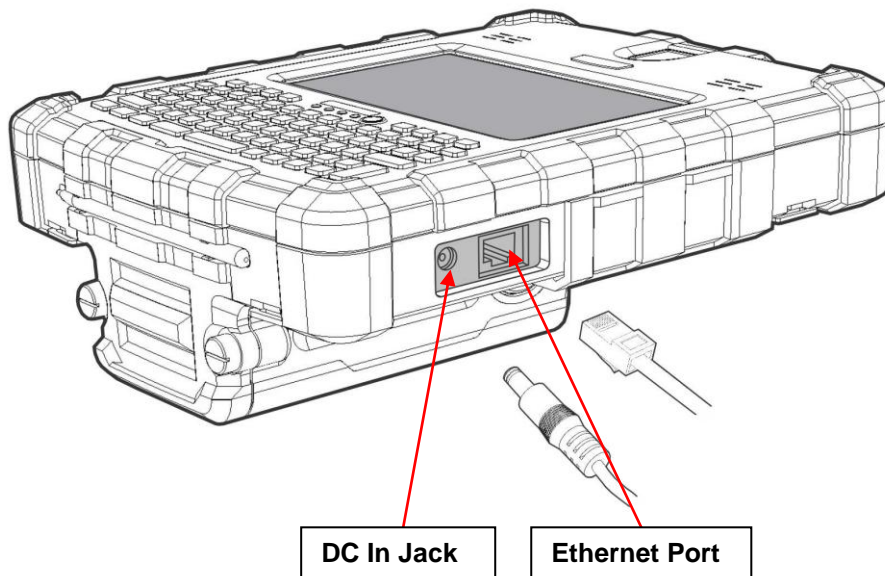
Front View



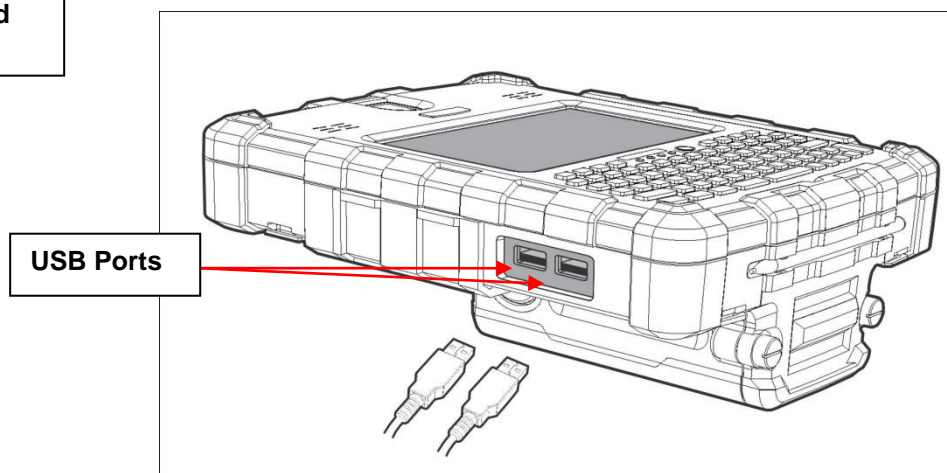
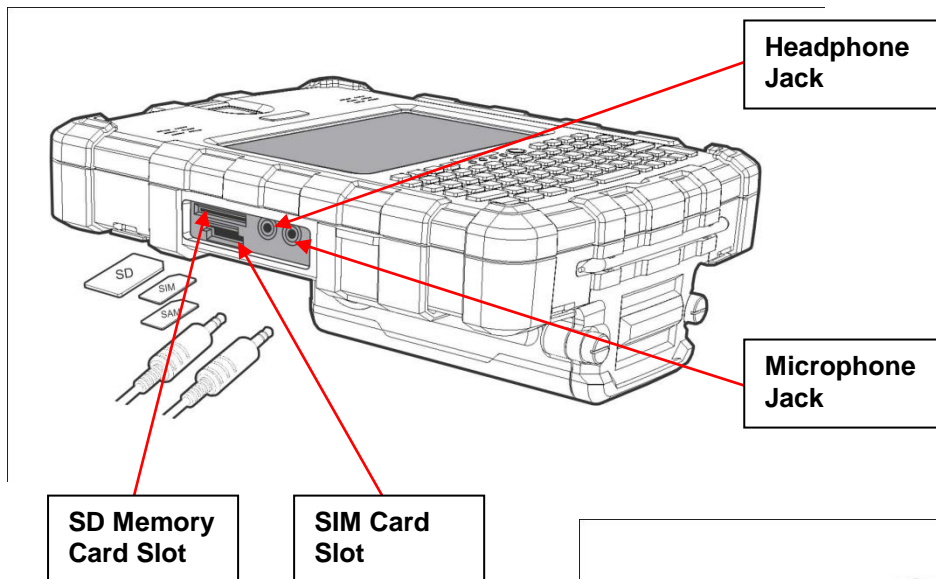
Bottom View



Right Side



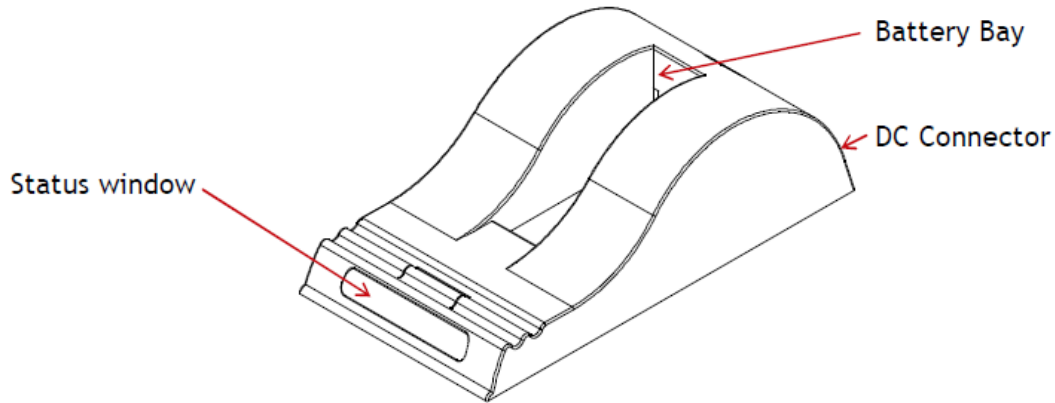
Left Side



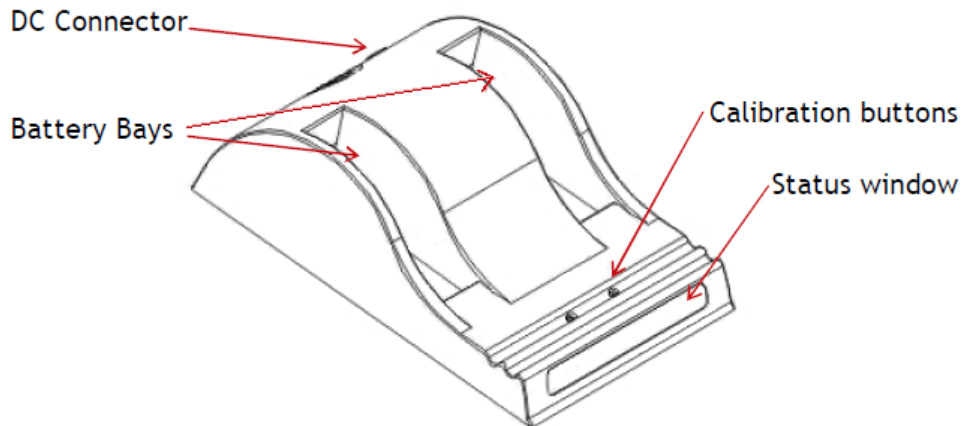
Accessories

Battery Charger

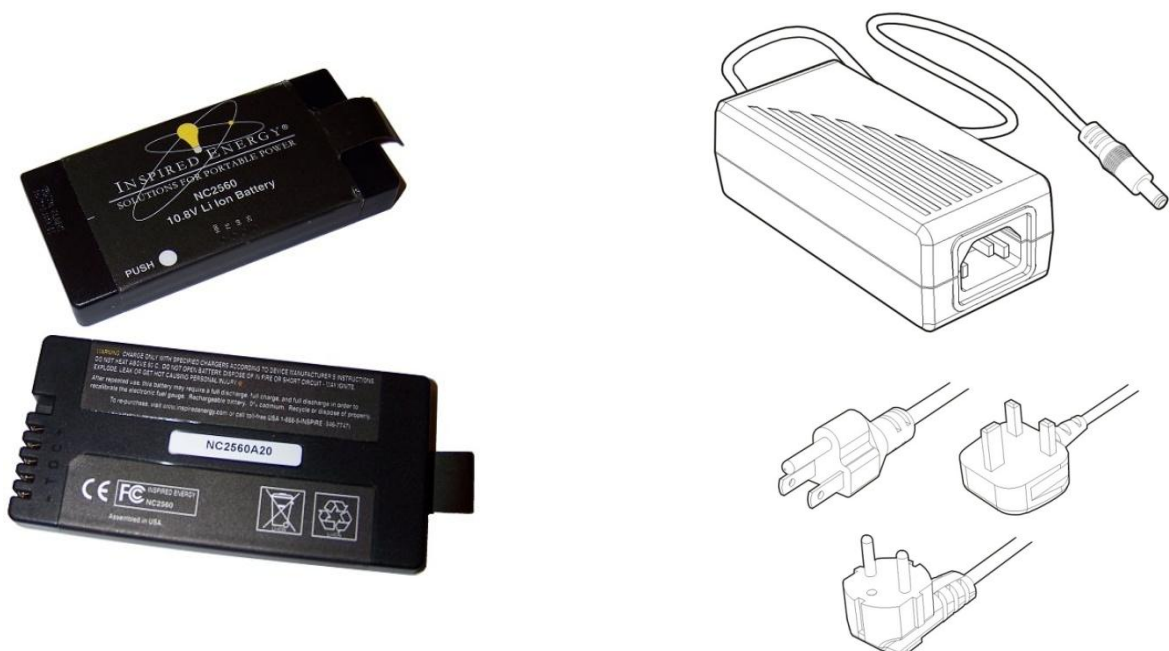
The default battery charger supplied is a "Single bay" battery charger:



A "Dual bay" battery charger can be optionally supplied on request:



Batteries, 2 x AC Power Adaptors and Power Plug Pin options





Using the iDL750

Working with the IDL750 batteries

Using the Battery Charger

The Battery charger can be used to charge an IDL750 battery outside of the IDL750 device. To operate, the battery charger requires a 24V 2.5A DC power supply unit (PSU) supplied with the IDL750.

Connecting power to the battery charger

Place the charger on a flat, level surface away from sources of heat and moisture. Plug the supplied AC power cable into the three-prong connector on the 24V 2.5A AC Power Supply Adaptor. Then connect the power lead to a mains AC power source. Connect the functional PSU into the battery charger by plugging the DC Jack into the connector and switch the mains AC power source on.



For illustration and clarification, refer to the illustrations under “Accessories” as per previous section of this manual

Inserting a battery and Charging



The IDL750 is supplied with 10.8V, 2000mAh batteries.

In order to charge a battery via the battery charger, place the battery into the Battery Bay ensuring that the 5-way connector is fully seated in the battery charger as shown above.

The LEDs in the Status Window of the charger will provide status information and the charger will automatically begin charging. Charging a battery via the charger will take up to two and a half hour.



Use only the correct batteries, PSU and battery charger supplied by a MaxID Corp dealer. The use of other equipment can cause permanent damage to the IDL750 and render the warranty void. For correct supplies contact a MaxID Corp Dealer or visit www.maxid.net

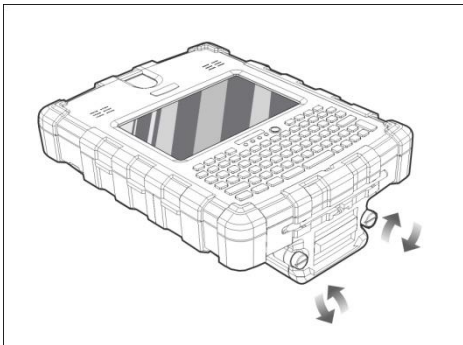
Charger LED Indicators

The battery charger uses two LED's visible in the charger's Status Window to provide status information. One LED is to indicate the "Charging" status and one is to indicate an "Error" status:

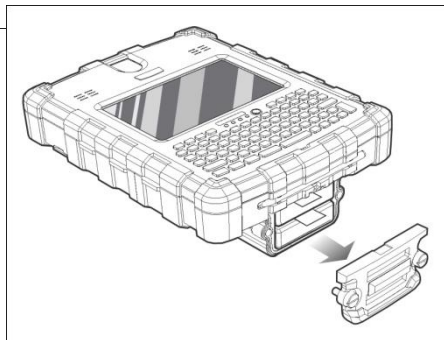
	Green Flashing:	Battery Charging
	Green Solid:	Battery Fully Charged
	Red Solid:	Error

Using the battery in your IDL750

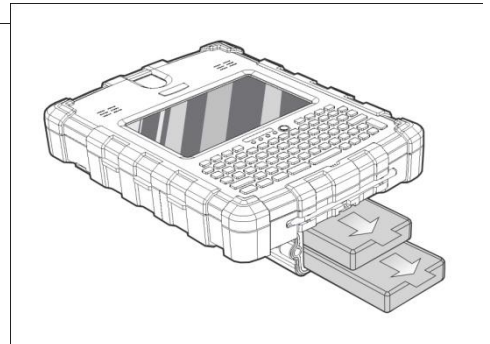
Insert the battery into the IDL750



STEP 1: loosen Battery cover screws by turning screws anti-clock-wise



STEP 2: Remove Battery cover



STEP 3: Fit the charged batteries into the slots with the 5-way connector facing forward and downwards

STEP 4: Re-attach the Battery cover securely and tighten screws by turning them Clock wise.



It is recommended to Switch off the IDL750 before removing the batteries.



Before using the IDL750 for the first time the removable external batteries **MUST** be charged. The initial charging cycle for both batteries is approximately five (5) hours. Subsequent charging cycles will take up to a maximum of two and a half hours.



Using the normal Power down option before removing both batteries will ensure that application data are stored safely. If both batteries are removed from the IDL750 without it being powered down first normally, non-persistent application data will be lost.

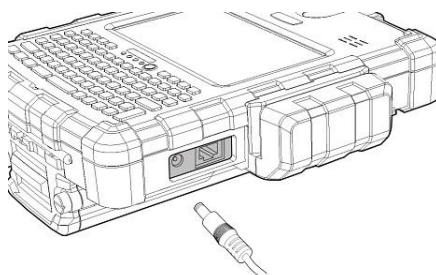
Charging a Battery via the IDL750


The IDL750 was designed to allow the user to charge a battery while it is inserted into the IDL750, allowing continued use of the IDL750 while the battery is charging. This can be done by simply connecting the supplied **15V 4A AC** power adaptor to the IDL750, and connecting the adaptor to an AC mains power supply.



It is important to ensure that the correct supplied 15V 4A AC Power Adaptor is used. Using the incorrect power adaptor can cause serious damage to the IDL750.

First, the AC power cable must be connected into the three-prong connector on the 15V 4A AC power adaptor, the power cable's plug then connected to an AC mains power source and the power source switched on. Now connect the supplied functional 15V 4A AC power adaptor into the IDL750 by plugging the DC Jack into the designated connector at the right side of the IDL750 as per the picture below.




The two LEDs to the left of the <POWER> button key on the front of the IDL750 will light up and turn Red to indicate power is present and that the batteries are being charged. These LEDs are marked with the  and  symbols and will turn Green when the batteries are fully charged.



Indicates the Bottom battery of the two batteries slots, and



Indicates the Top battery of the two batteries slots.

The charging status will be indicated on the IDL750 display via the "Power icon"  displayed in the system tray (right bottom corner of the LCD) while the IDL750 is powered on.

Charging the battery via the IDL750 will take up to three hours.





- For convenience, the IDL750 can operate as normal when connected to an AC power supply without a battery being inserted into the IDL750 itself.
- While charging, the Charging LEDs will be turned on displaying charging status irrespective of whether the IDL750 device is turned on or off.
- The life expectancy of the battery: Given normal storage & usage, user can expect the battery to deliver 80% or more of its initial capacity after 300 charge/discharge cycles

Monitor and Manage your Battery Status


The IDL750 allows for various ways to monitor and manage your batteries' status.


Monitoring battery level

There are three ways in which to verify the remaining battery power of your batteries:

- LED indicators on front panel of the IDL750 device, and
- On screen via the "Battery icon"  or "Power icon"  in the system tray
- LED indicators on the battery itself.



Front panel LEDs



When the IDL750 is turned off (i.e. operating system is shut down), pressing the <BATTERY> key  on the keyboard will illuminate the LEDs on the front panel of the IDL750 (to the left of the <POWER> button) indicating the percentage power remaining with the batteries currently fitted to the IDL750.

While the device is turned off, press the <Battery> key . The LEDs will turn on in sequence from left to right, flicker once, and then the quantity of LEDs will be turned on for 2 seconds to reflect the percentage power remaining as follow:

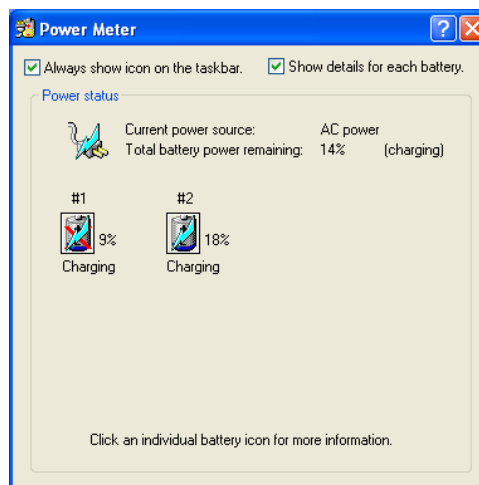
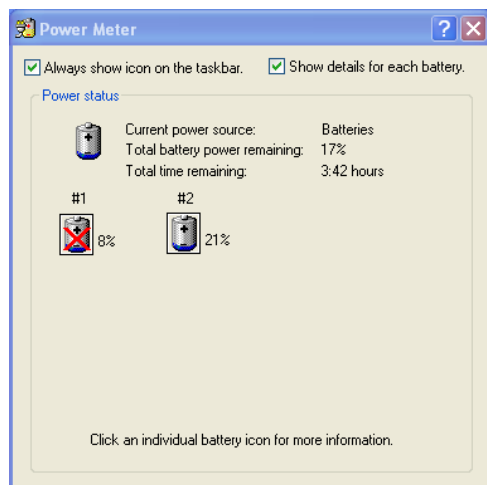
- One LED: 25% or less power remaining
- One LED: 50% or less power remaining
- One LED: 75% or less power remaining
- One LED: Batteries are fully charged.

On screen battery level monitoring

Single tapping on the "Battery icon"  or "Power icon"  in the system tray will display estimated usage time remaining along with estimated battery power left in percentage. These values apply to the total amount of power available to the IDL750 device (i.e. if two batteries are fitted, the sum total will be provided).

Double tapping on the "Battery icon"  or "Power icon"  in the system tray will bring up a Power Meter utility. This utility will display each battery's current state individually and graphically. It will indicate the batteries' remaining power and will also indicate if it is currently being charged.

NOTE: Battery **Number #1** indicates the bottom battery of the two battery slots, and battery **Number #2** indicates the top battery of the two battery slots.



Battery LEDs

The battery can furthermore directly display the capacity information by pressing the "PUSH" button on the battery itself. Refer to the illustration below:



The battery capacity is displayed as the relative State-Of-Charge. Each LED segment represents 25 percent of the full charge capacity. The LED pattern definition is given in the table below. If the battery voltage is below 2.4V/parallel-cell-group, there will be no LED indication.

Capacity	LED Indicators #				Note
	1	2	3	4	
At or below 10%					Blinks 3 times.
10% - 25%					Lit for 5 seconds.
26% - 50%					Lit for 5 seconds.
51% - 75%					Lit for 5 seconds.
76% - 100%					Lit for 5 seconds.

Managing battery power usage

Default Power Schemes



There are various power schemes available on the IDL750 at operating system level. Each of these schemes has pre-configured power usage settings that will allow for different levels off power usage.

Power schemes are used to set the following:

- The manner in which the computer turns off connected devices.
- The time when the computer turns off these devices.

Power schemes operate by using the Standby and Hibernation features in the following manners:

- **Standby:** Occurs when currently used data and programs are stored in memory, and the computer is then put into the low power state. When the computer moves from the low power state, the programs and data previously used are restored. The computer shifts into the active state when the user presses a key on the keyboard, or moves the mouse/pointing device.
- **Hibernation:** With Hibernation, the programs and data are stored on the hard disk before the computer is powered off. The user has to power on the computer again to return to the active state. Hibernation is very much like standby, with the difference being that programs and data are stored on the hard disk.

Access the power schemes by single tapping the "Battery icon"  or "Power icon"  in the system tray. This will bring up the power schemes options as described in the table below (Note the Description provides the default Windows settings for these schemes):

Power Scheme	Description with Mains Power Plugged in	Description with only Battery available
Home/Office Desk	The monitor is turned off after 20 minutes, and the hard disk is never turned off. This option does not initiate Standby or Hibernation.	The monitor is turned off after 5 minutes, and the hard disk is turned off after 10 minutes. This option does not initiate Standby or Hibernation.
Portable/Laptop	The monitor is turned off after 15 minutes. The computer is placed into Standby after 20 minutes. This is shifted to Hibernation after 3 hours.	The monitor is turned off after 5 minutes, the hard disk is turned off after 5 minutes, and the system is placed into Standby after 5 minutes.
Presentation	Both the monitor and hard disk are never turned	The monitor is never turned off. The hard disk will

	off. This option does not initiate Standby or Hibernation.	be turned off after 5 minutes and the system placed into Standby after 15 minutes.
Always On	The monitor is turned off after 20 minutes, and the hard disk is never turned off. This option does not initiate Standby or Hibernation	The monitor is turned off after 15 minutes, and the hard disk is turned off after 30 minutes. This option does not initiate Standby or Hibernation
Minimal Power Management	The monitor is turned off after 15 minutes, and the hard disk is never turned off. This option does not initiate Standby or Hibernation.	The monitor is turned off after 5 minutes, the hard disk turned off after 15 minutes, and the computer will be placed into Standby after 5 minutes.
Max Battery	The monitor is turned off after 15 minutes, and the computer is placed into Standby after 20 minutes. This change to Hibernation after 45 minutes.	The monitor will be turned off after 1 minute, the hard disk will be turned off after 3 minutes, and the system placed into Standby after 2 minutes
Eurotech Control	The monitor is turned off after 15 minutes, and the computer is placed into Standby after 20 minutes. This change to Hibernation after 45 minutes.	The monitor will be turned off after 1 minute, the hard disk will be turned off after 3 minutes, and the system placed into Standby after 2 minutes

Configure Power Schemes

Windows XP allows for all of the above power schemes can be configured to cater for user specific requirements. This can be done as follow:

Step 1: Tap the Windows Start button and choose "Settings" and then "Control Panel".

Step 2: Double tap "Power Options".

Step 3: To use a preconfigured power scheme, select one of the standard options from the "Power schemes" drop down. You can customize the selected preconfigured scheme by changing the "Turn off monitor," "Turn off hard disks" and "System standby" settings on the lower half of the screen.

Step 4: Modify the settings for Alarms, Power Meter, Hibernate and Uninterrupted Power Supply (UPS) by clicking the appropriate tabs and choosing the desired options. These settings are specifically important for laptop computers.



Step 5: Change Advanced options such as how your computer responds when you press the power or sleep buttons by clicking the "Advanced" tab and choosing the desired options. You can also specify whether you'd like your computer to ask for your password when returning from standby by checking or un-checking the "Prompt for password" box.

Operating your IDL750

IDL750 Front Panel




Switching on the IDL750

To switch the IDL750 on, insert at least one charged battery into the IDL750. Hold the <POWER> key  down for one to two seconds and release. A **Green** LED to the left of the <POWER> key and underneath the "light bulb" image  will turn on indicating that the IDL750 is in operation. The display backlight will turn on and the IDL750 will then boot up displaying various boot-up sequence information. While the Microsoft® Windows XP Pro for Embedded Systems operating system is being loaded into the IDL750 memory, the "hard disk activity" LED will show be turning on and off indicating hard disk activity.



From a complete shutdown state, the IDL750 takes approximately thirty five seconds to turn on and load the operating system, during which a Microsoft® Windows XP start-up sound will be heard. This duration is depending on custom 3rd party applications and configurations. From a standby state, the IDL750 takes less than five second to turn on.

Switching off the IDL750

To switch the IDL750 off, make use of the Windows XP "Start" menu and select the "Turn Off Computer..." option. From there the user can select to turn the IDL750 off or put it into a Standby state. Alternatively, the user can hold the <POWER> key  down for two to three seconds. This will turn the IDL750 off performing a complete shutdown process.



When the IDL750 is in a standby state, a Red LED to the left of the <POWER> key will flicker intermittently indicating that the device is in standby mode.

Stylus Actions

The stylus is the equivalent of a mouse on the IDL750. Use the stylus on the IDL750 touch-sensitive display. Only a plastic tipped stylus should be used on the touch-sensitive display.

The Stylus actions apply to the IDL750 only.

SINGLE TAP OR SELECT: Tap the display screen once with the stylus to activate a specific button or select an item.

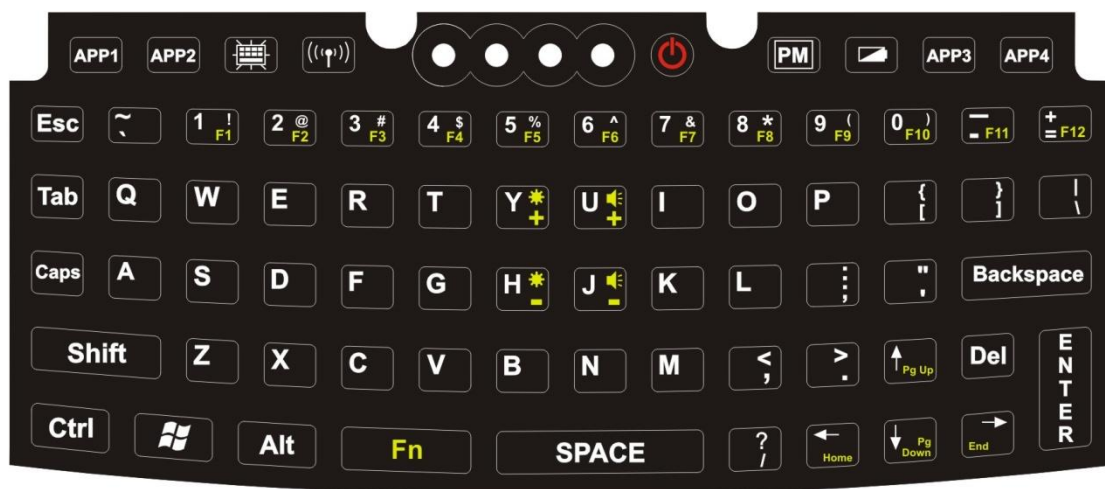
DOUBLE TAP: Tap the stylus twice rapidly in the same location to open an application.

TAP AND HOLD: Tap and hold the stylus to view the context menu (similar results to the 'right-click' action with a PC-mouse).

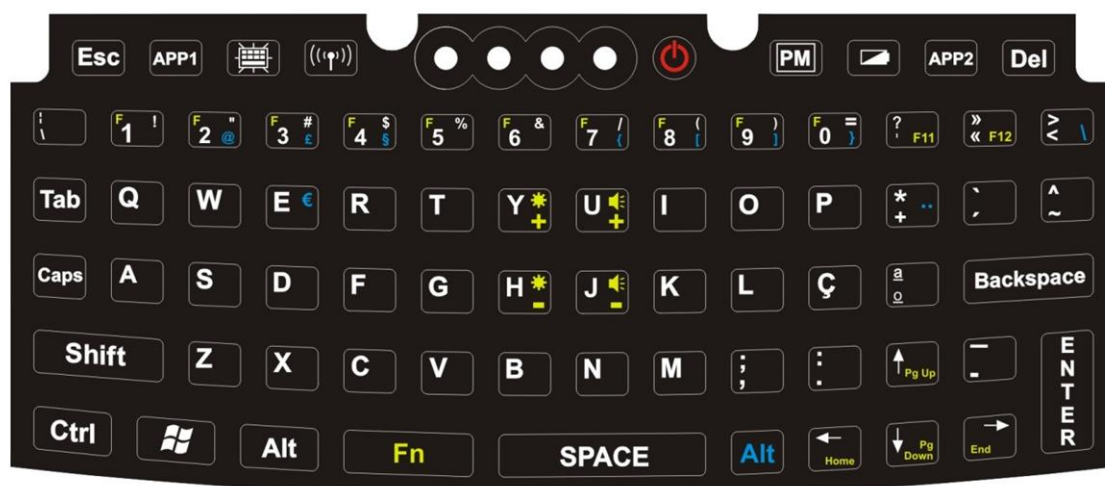
Using the Keyboard

The IDL750 features a full QWERTY keyboard with various additional functionality keys. The keyboard's keys can be classified in three types of keys viz. function keys, alphanumeric keys and navigation keys.

The keyboard's typical layout is as per below:



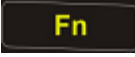
















Some customized keyboard for specific localities is also available, for example a Portuguese keyboard below:



Function Keys



Function keys perform a specific function.

Key		Function
<BACKSPACE> (Backspace)		The function is performed by pressing the <BACKSPACE> key. This moves the cursor back one space and deletes each time the key is pressed. If text is being typed, a character is deleted each time the key is pressed.
<SPACE> (Spacebar)		Pressing the <SPACE> key will insert a blank space character at the position of the cursor in a text field.
<FN>		The <FN> key toggles the keyboard between the main keys (being the white printed Alpha numeric keys), and the secondary keys in yellow printed on the bottom right corner of each button (typically the numeric keys, the direction keys, and some of the Alpha character keys). (I.e., when <FN> is pressed once, all characters printed in yellow on the bottom right corner of each applicable button on the keypad will be enabled. When the <FN> key is pressed again, all Alpha Numeric characters printed in white on the buttons on the keypad will be enabled)
<↑> (Shift)		The <↑> (Shift) key toggles Alpha key's case status for the key pressed following the press of the <↑> key.
<CAPS> (Caps lock)		Use the <CAPS> key to toggle the Alpha keys between upper and lower case.
<POWER>		Pressing this key performs the suspend/resume function. This wakes the IDL750 from suspend mode or puts it in suspend mode. When pressed and hold, options for a complete shutdown will be provided.
 (Delete)		Pressing the key deletes the next character forward each time the key is pressed.
<TAB>		Depending of the active window, the <TAB> key will either allow the user to change between 'active' items in the window (for example from one button to another, or one field to another), or it will allow the user to enter a application defined number of spaces (for example 5 spaces will be inserted in a "Word" application).
<Esc> (Escape)		Depending on the active window, pressing the key will close an active window, stop a process from running, or exit an application.
<ENTER>		The <ENTER> key confirms data entry.
Windows <MENU>		Window <MENU> key will activate the "Windows Start" button from any active applicable.
<PM> Power manager		Use the <PM> to display or hide the MaxID IDL750 power manager application.
<BATTERY> Battery status		The <BATTERY> key is used to verify the battery remaining power level while the IDL750 device is turned off. Refer to previous sections of this manual for details.
Function Keys: <F1>, <F2>, <F3>, <F4>, <F5>, <F6>, <F7>, <F8>, <F9>, <F10>, <F11>, <F12>		The <F1>, <F2>, <F3>, <F4>, <F5>, <F6>, <F7>, <F8>, <F9>, <F10>, <F11>, and <F12> function keys is invoked by first pressing the <FN> key and then the applicable key. These keys are customisable in software and used in various 3 rd party applications to perform a specific task. The Microsoft ® Windows XP operating system also uses these keys for various functions. Please refer to your application help or MS windows help for detail explanation usage on these functions.
User Programmable keys: <APP1>, <APP2>, <APP3>, <APP4>		User Programmable keys are used to assign any user defined specific keys or functions a user desire for their specific applications. The keys <APP1>, <APP2>, <APP3>, <APP4> will be used for this. Note: These key might vary based on the keyboard fitted to the IDL750 (for example the Portuguese keyboard only has <APP1>, <APP2> keys). These Function keys can be manually defined via the IDL750 Power Manager utility (refer to the following section of this manual for details).
<KBD-BKLGHT> (Keyboard Backlight)		Pressing the <KBD-BKLGHT> key will toggle the keyboard's backlight between turned On and Off.
<BHC-RADIO> (BHC Communication Control)		The <BHC-RADIO> button will display or hide the MaxID BHC Communication Control application. From this application the User will be able to turn Wireless communication modules On or Off.

Using BHC Power Manager

The “BHC Power Manager” utility is used to manage the IDL750 peripheral’s power.

When switching the IDL750 on from a complete “Off” state (i.e. not in Standby mode), all the device peripheral components will be in an “Off” state. To make use of them, they are to be powered on. This can be done programmatically or manually. To do this programmatically, refer to the BC100 SDK (Software Development Kit) documentation for details.

Manually turn any of the IDL750’s peripherals on by opening the “BHC Power Manager” utility from the System tray, tapping on the “MaxID Power Manager icon”:  or pressing the <PM> button  on the keyboard.

Tap on the desired peripheral to power it “On”. Tap on the desired peripheral again to power it “Off”.

For some peripheral devices, the BHC Power Manager allows the user to configure further settings.



The BHC Power Manager also allows the user to manually configure applications or utilities to be executed when a user press one of the <APP> keys:



On the BHC Power Manager utility, select the “Function keys” menu item. This will provide a window in which the user can enter a desired application to be executed on the press of a <APP> key. To browse for an application, from the “Function keys” window, either tap on the applicable <APP> key icon, or double tap in the field next to the applicable <APP> key icon.

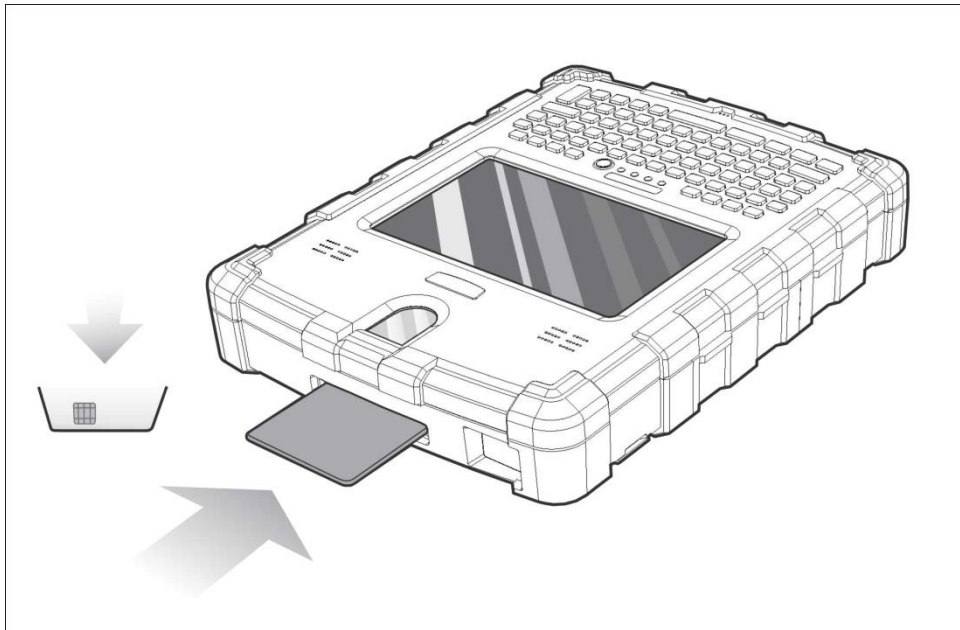
Using IDL750 Peripherals

The following illustrations demonstrate usage of some of the IDL750 peripherals.

Contact Smart Card Reader

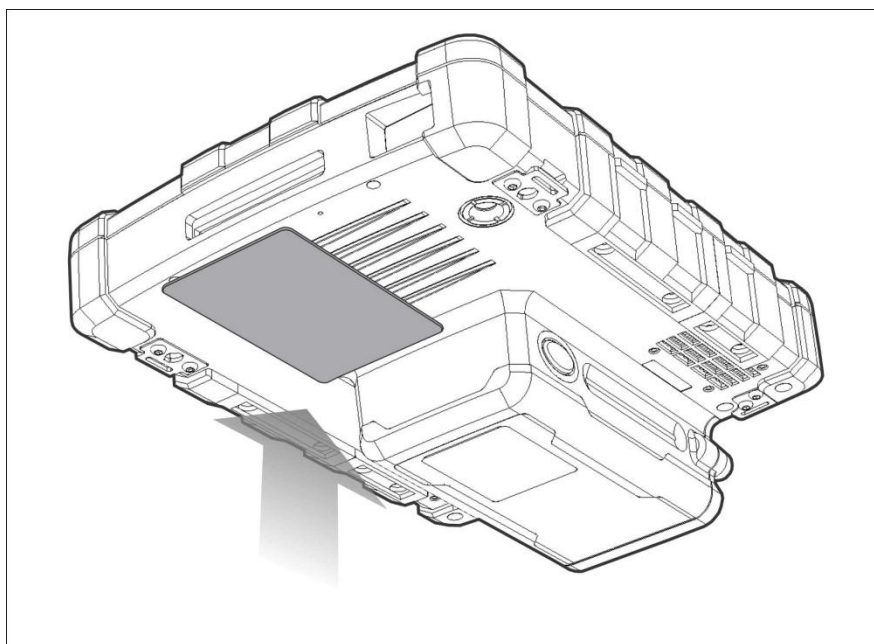
The IDL750 provides one contact smart card reader fitted to the front of the IDL750 device as well as one optional contact smart card reader that can be fitted to the right side of the IDL750 (Note that this option is only available if no Add-on module is fitted).

Insert the card with the Smart Card Chip facing downward and inward toward the device as illustrated below:



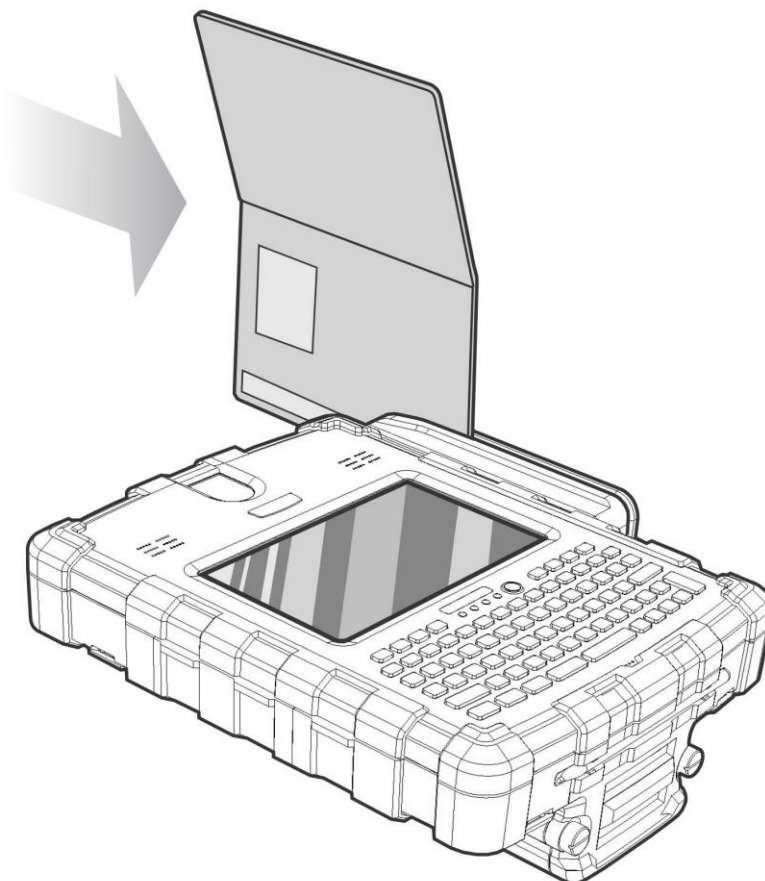
Contactless Smart Card Reader

Contactless Smart Cards can be read by holding it parallel to the Contactless Smart Card Reader and at a distance of 10 cm or less from the reader.



MRZ Reader

The MRZ reader is an optional Add-on module. As an Optical Character Recognition reader it is able to read the MRZ information of all ICAO 9303 standard documents. Swipe the passport or document through the reader with the area where the printed MRZ information resides facing away from the IDL750 device. Refer to illustration below:



Care and Maintenance

Windows XP recovery from USB Flash drive

When the Microsoft ® Windows XP Pro operating system has a major failure, it can be recovered using the Windows XP recovery US Flash drive. This recover flash drive can be obtained from your product supplier.

When doing a recovery, follow the steps below:

- **Make note of your Windows product key.**
- Reboot unit with recovery USB flash drive inserted.
- When BIOS splash screen appears, press F12 to select "Boot manager".
- Select USB flash drive and press enter.
- Select "Clonezilla live VGA 800x600".
- Wait +- 60seconds for OS to load.
- Select "English" on the "Choose language" screen.
- Select "Don't touch keymap" on the "Configuring console-data" screen.
- Select "Start Clonezilla" on the "Start Clonezilla" screen.
- Select "device-image".
- Select "**skip**" on the "Mount Clonezilla image directory".
- Press enter.
- Select "Beginner mode".
- Select "**restoredisk**".
- Select an image file and press enter.
- Select a disk to restore i.e. sda 16.GB_MTRON_MSD-PATA30..... And press enter.
- Press enter again.
- Press "y" and enter.
- Press "y" and enter.
- Wait +-5 minutes for disk to be restored.
- Press enter to continue
- Press "0" to "poweroff" and press enter.
- Remove the USB flash drive when instructed and press enter.
- Turn unit on by pressing red "on" key.
- Follow on screen instructions when Windows boots.
- Enter product key when asked to do so.
- Activate unit when connected to the internet.

Maintaining the IDL750

With normal use, the IDL750, and the battery charger require little to no maintenance. For problem free usage of the product, observe the following suggestions when using the IDL750:

- To prolong the life and avoid problems, keep the IDL750 and its battery charger clean. Use a clean, soft cloth dampened with a mild, dilute cleaning agent.
- If the display requires cleaning, do so with a lens cloth or an appropriately soft cloth dampened with a mild, dilute cleaning agent.



Never use a pen, pencil or other sharp object on the IDL750's touch-screen. Use only the supplied stylus or plastic-tipped pens intended for use with a touch-sensitive screen.
Do not immerse/submerge the IDL750, the battery charger or the batteries in liquid.
Do not use abrasive paper/cloth or abrasive/corrosive cleaning agents/solutions to clean the product or its accessories.



Do Not Dispose.

Do Not Recycle the IDL750 product.

If you wish to discard your product, contact your local dealer or authorities for instructions on the correct method of disposal.

Technical Support

Partner and Reseller Technical Support

An excellent source for technical assistance and information is an authorised MaxID Corp partner or reseller. A partner/reseller acquainted with specific types of businesses, application software and computer systems and can provide individual assistance.

Authorised MaxID Corp partners furthermore also have access to latest software release, updates and downloads as well as additional technical information.

MaxID Corp Support

The MaxID Corp is a manufacturer of specialized mobile technology and has appointed regional distributors and integrators to provide our customers with a local service. In the first instance you should contact your original equipment supplier to obtain support for our products.

If you are unable to obtain the required level of support or need help locating a suitable local service provider please use our corporate support contact information below explaining your difficulties.

CORPORATE HEADQUARTERS:

Office: 703-573-0125

Office: 703-573-0126

2731 Prosperity Avenue, Suite C
Fairfax, VA 22031

CHESAPEAKE OFFICE (SUPPORT):

Office: 757-410-4188

1226 Executive Blvd
Suite 115
Chesapeake, VA 23320
Email: support@maxid.net

AFRICA

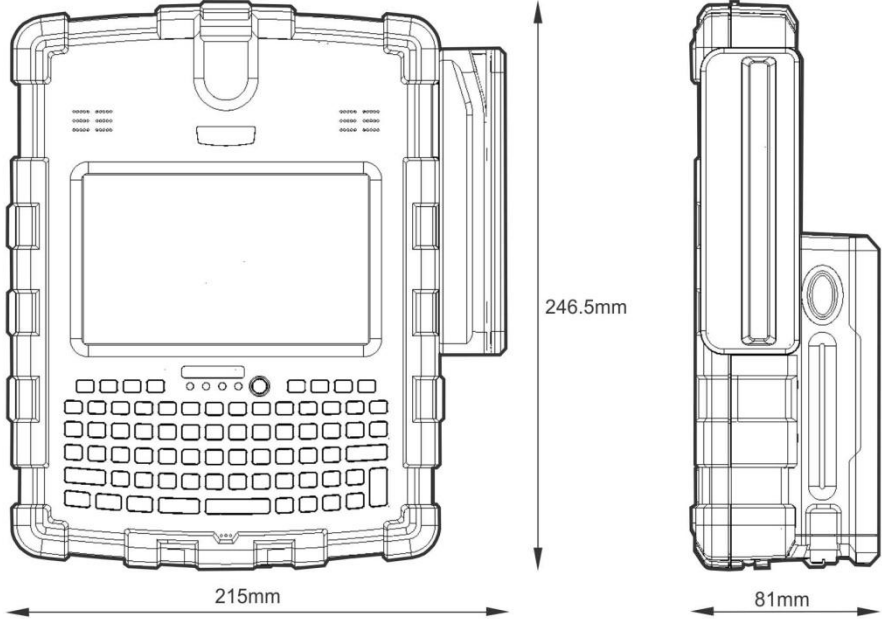
Tel: +27 (0)11 234 2110



Technical Specifications

Specifications

Mechanical Specifications

Dimensions	246.5mm x 215mm x 81mm
Weight	1.9kg with battery (2kg with add-on MRZ reader)
Dimensional Illustration	

Battery charger Specifications

- One dedicated battery charging slot
- Charges the IDL750 10.8V, 2000mAh Lithium Ion battery (up 2.5 hours charging time, depending on level of drain)
- Power supply input: 90-260 VAC; 24V, 2.5A DC universal power supply adaptor; 107.5 L x 56 W x 33.7 H mm; RoHS compliant; UL/cUL listed; CB approved (IEC60950-1); CE compliant (GS/TUV EN60950-1); FCC part 15 class B, CE (EN55022, EN55024)
- Weight: 235g
- Dimensions: 58mm(h) x 180mm(l) x 92mm(w)
- Battery Mating Connector: 5-blade standard battery connector
- Communications Compliance: System Management Bus Rev 1.0, Smart Battery Data Specifications rev 1.0 and Smart Battery Charger specifications Rev 1.0 compliant
- Mains Cord: CH4000A – 110V N. American 3-pin connector; CH4000E – 220V European 2-pin connector with ground recess; CH4000U – 240V UK 3-pin connector
- DUAL BATTERY CHARGER OPTION:
 Model: CH5050; Dimensions: 58mm(h) x 180mm(l) x 122mm(w); Weight: 360g
 Mains: CH5050A – 110V N. American 3-pin connector; CH5050E – 220V European 2-pin connector with ground recess;
 CH5050U – 240V UK 3-pin connector

IDL750 System Specifications

Display	5.6", SVGA, TFT LCD display
• Resolution	1024 (W) by 600 (L) pixels, 32 bit colour
• Backlight	White LED
• Screen	Touch screen overlay with signature capture capability
Keypad	72-key full QWERTY style keyboard with function and direction keys 2 side scan buttons

Construction	Industrial, high-strength poly-carbonate/ABS-blend plastic
Operating System	Windows® XP Pro for Embedded System.
Microprocessor	1.6GHz Intel Atom Z530 Chipset: Intel US15W
Internal Memory	RAM: 1Gbyte and 2Gbyte 1.8" SSD Hard drive: 16GB or 32 GB Internal Micro SD Card
Real time clock	Internal clock – dedicated battery operated
Communication Ports	2 x External USB 2.0 host via standard USB connector (client interface) 1 x USB client (if no add-on module is fitted - MRZ or Magnetic Stripe) 1 x Ethernet via standard Ethernet RJ45 connector (client interface)
I/O Slots	Full SD card slot – user accessible SIM card slot – user accessible
Audio	Speaker mounted against case for system and multimedia audio sound GSM audio via Bluetooth headset
Power Options	2 x 10.8V 2Ah Lithium-Ion removable/rechargeable battery packs INPUT: 15V, 4A universal power supply AC adaptor with 110-240 Vac, 50-60Hz (Make and model: V-Infinity, ETS150400UTC-P5P-SZ)
Radio Support	Wi-Fi 802.11 a/b/g compatible. GSM / GPRS / EDGE / 3G / HSDPA Modem (Quad band module) – user accessible SIM Bluetooth V2.0 + EDR v2.0.E.2 7 Class 2
Development Environments	All Standard Windows XP development tools are supported IDL750 SDK provided
Fingerprint scanner	Integral high-resolution optical fingerprint reader, 500dpi, ESD tolerant FIPS201 approved 16.2x24.3mm window 480x320 pixel image Capture, matching and registration software (1:1 and 1: many fingerprint matching)
GPS receiver	50 Channel Super sensitive GPS receiver.
1D and 2D Barcode Scanner	Fully integrated and operates in bright or low light conditions. 1D and 2D Barcode imager set to short focal length. Passport Character decoding Integrated Barcode decryption capability
Mug shot photo Imager	2 Mega pixel colour photo imager. Auto Focus. Image preview mode available. Imager set to long focal length. Auto exposure. (other imager modules may be supported in future)
Contact Smart Card Reader	2 x Contact Smart Card readers reading ISO 7816 Smart cards : FIPS approved (Note: only 1 x Contact Smart Card Reader fitted when a MRZ or Magnetic Stripe card Reader are fitted)
Contactless Cards Reader	ISO 14443 Proximity : FIPS approved ISO 15693 Vicinity : FIPS approved
Magnetic Stripe Card Reader	Optional Add on module Magnetic Stripe card reader capable of reading 3 tracks.
MRZ	Optional Add on module Optical Character recognition reader able to read the MRZ information of all ICAO 9303 standard documents.

Environmental Specifications

Operating Temperature	0° to 45°C / 32° to 113°F Note: Internal battery charge temperature limited to 45°C / 113°F – when temperature rises above this point while charging, charging will stop.
Storage Temperature	-20° to 60°C / -4° to 140°F
Humidity	5 to 95% (non-condensing)
Shock/Drop	900mm / 2.95ft drop to concrete
Sealing	IP64 rating, when all supplied rubbers fitted to all connectors and Smart card reader slot



Declarations and Safety Statements



General Statement

Warning: Changes or modifications to this device not expressly approved by MaxID could void the user's authority to operate the equipment.

Local Restriction of 802.11a, 802.11b, 802.11g, and 802.11n Radio Usage



Due to the fact that the frequencies used by 802.11a, 802.11b, 802.11g and 802.11n wireless LAN devices may not yet be harmonized in all countries, 802.11a, 802.11b, 802.11g and 802.11n products are designed for use only in specific countries, and are not allowed to be operated in countries other than those of designated use. As a user of these products, you are responsible for ensuring that the products are used only in the countries for which they were intended and for verifying that they are configured with the correct selection of frequency and channel for the country of use. Any deviation from permissible settings and restrictions in the country of use could be an infringement of national law and may be punished as such.

FCC Radio Frequency Interference Requirements

This device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range. FCC requires this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems. High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and /or damage this device.

Federal Communications Commission Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Radio Frequency Caution Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



Appendix A

Glossary

Many definitions for this Glossary were taken directly from the Microsoft Developer's Network website at:
<http://msdn.microsoft.com/library/default.asp>.

Active notification	The state of a user notification from the time the user is notified until the user handles the event.
Active window	The window in which a user is currently working or directing input. An active window is typically on top of the Z order and is distinguished by the colour of its title bar.
Calibration	A user might require the recalibrating of the touch screen. One way to know that the touch screen needs to be recalibrated is to notice that when you attempt to select an item with the stylus, another item is erroneously selected.
Compact Flash (CF) card	Compact Flash® is a very small removable mass storage device. CF™ cards are designed with flash technology, a non-volatile storage solution that does not require a battery to retain data indefinitely. CF™ cards consume only 5% of the power required by small disk drives. CF™ cards are available as modems, Ethernet, serial, digital phone cards, scanners, 802.11b Wi-Fi LAN, etc.
Control	A standardised part of the window that can be manipulated by the user to perform action or display information. The most common controls are buttons that allow the user to select options and scroll bars that allow the user to move through a document or position text in a window.
Context sensitive help	Tap the “?” button to open a help dialog about the specific windows application you are using. Context sensitive help can tell you where you are in a program and can provide assistance with the specific problems you might be having.
Control panel	Control panels are several different applets that allow you to configure the IDL750 to meet your specific requirements. There are control panels for scanning, keyboard, display, etc. Access the control panels at the Start menu: Start>Settings>Control Panel .
Device manager	A tool to track all loaded device drivers and their interfaces. It issues notification of the appearance and disappearance of device interfaces, loads and tracks drivers by reading and writing registry values and unloads drivers when their devices are no longer required.
Device partnership	A registry key on a <u>Windows XP</u> mobile device that a desktop computer uses to identify the device when it is connected. The key defines values for synchronisation, file conversions, backup and restores information, which enables multiple <u>Windows XP</u> mobile devices to connect to the same desktop computer. A device partnership is created the first time you connect a <u>Windows XP mobile</u> device to a host PC.
Embedded	Broadly, software code or commands built into a device, as opposed to software that is added. In a narrower sense, code that is typically stored in ROM and described to either controlling a device or providing a specific functionality.
Firmware	Operating System of the IDL750.
Positioning bar	A positioning bar is a tall, thin rectangle with a dark stripe running through it that appears on a rebar or a command band control. By touching and dragging a positioning bar with a stylus, a user can reposition a rebar or command bar. Positioning bars are especially useful for bringing off-screen rebar or command bar controls into view.
Host PC system	PC using the Microsoft Windows operating system and/or ActiveSync in a device partnership with the IDL750.
Input method (IM)	A component that allows the user to input text using a touch screen.
Input panel	Refer to <u>soft input panel (SIP)</u>
Mounted file system	A file system located on a removable medium, such as a PC Card storage device. The operating system loads or mounts the file system when the medium is inserted into the device. It unloads or un-mounts the file system when the medium is removed or when the user issues a command to do so.
Navigation key	These are 4 separate buttons on the keypad with directional arrows pointing up, down, left and right that allows the user to move the cursor or highlighted text entry during menu selection. Press and release the key to move the display screen one line or character in the direction of the arrow.
PING	Protocol that sends a message to another computer and waits for acknowledgement, often used to check if another computer on a network is reachable.

Program memory	Memory that is used for stack and heap storage for both system and non-system applications. Non-system applications are taken from storage memory, uncompressed and loaded into program memory for execution.
Wi-Fi	A device installed into the IDL750 that allows wireless connection and communication with a network.
RAM (random access memory)	You can add applications and data files to RAM or into Flash memory via the DiskOnChip . While flash memory is persistent (as long as the backup is charged), RAM is not and will be cleared when you remove or replace the battery. As you can only suspend the device, the only way to turn it fully off is to remove the battery or to perform a hard reset.
ROM (read only memory)	The operating system (Windows XP) and applications are pre-installed on ROM and cannot be removed or modified. These applications are persistent.
RAS (remote access server)	A feature that connects a device to a host computer. Windows XP can connect to a remote access server using USB and dial-up connections. Windows XP supports the standard Microsoft Win32 RAS functions; however, it allows only one connection at a time. RAS functions can be implemented for direct USB connections or dial-up modem connections.
RTC	Real Time Clock on the IDL750.
Secure Digital (SD) Memory Card	SD Memory Cards are small, non-volatile, solid-state devices that provide high storage capacity (32 MB, 64 MB, 128 MB and 256 MB), fast data transfer and security.
Shortcut menu	A menu that is displayed for a selected object. The menu contains commands that are contextually relevant to the selection.
SNMP (Simple Network Management Protocol)	SNMP is the standard protocol for managing devices on a network. SNMP is standardised protocol for network management services using a client/server model. The network management program (client) issues queries and commands to the remote device.
Soft input panel (SIP)	An "ON-SCREEN" keyboard allowing the user to enter keyboard keys and function using the Stylus and tapping on desired keys. From the Windows Start menu, select "Programs", then "Accessories", then "Accessibility" and then choose the "On-Screen Keyboard" application. Use this virtual QWERTY keyboard like you would a computer's keypad to enter alpha numeric and symbols in the current application.
SSID	The SSID (Service set identifier) is a network name; it is a name that identifies a wireless network. The SSID differentiates one WLAN from another; so all access points and all devices attempting to connect to a specific WLAN must use the same SSID. Devices must provide a unique SSID. Because an SSID can be sniffed in plain text from a packet it does not supply any security to the network.
Start button	The start button opens the Start menu. The Start menu contains a list of the resident applications, applets and utilities viable to the user.
Status bar	An area that displays state information for the content in the window, typically placed at the bottom of a window.
Status icons	A graphic representation of the status of a feature or function.
Stylus	The stylus is the equivalent of a mouse on the IDL750. Use the stylus on a touch-sensitive display. Only a plastic tipped stylus should be used on a touch-sensitive display. Use the stylus to navigate by selecting characters in the soft input panel (SIP). Select applications from the desktop or system tray, select tabs, fields and text within applications and dialog boxes.
Suspend mode	The IDL750 will go into a 'suspend' or 'sleep' mode when it is idle for a configurable period of time. Suspend mode works and looks like you have turned the unit off. Press the <Power> key to suspend (put to sleep) the IDL750. Press the <Power> key again for the IDL750 to resume its previous state.
Symbology	A symbology is a protocol for arranging the bars and spaces that make up a particular kind of barcode. A bar code is made up of numbers, letters and computer recognised characters that can be represented in a combination of bars and spaces. There is not one standard bar code; there are currently over 400 barcode symbologies that serve different uses, industries or geographic needs.
System tray	An area of the display screen located at the bottom, within the Task bar that displays status icons and symbols.
System tray keyboard Indicators	The System Tray Keyboard Indicators are located at the bottom of the display in the taskbar and contain status icons and symbols indicating open features and active applets.

Task bar	The Task bar at the bottom of the screen displays the <u>start button</u> icon, icons for active program/s, and the System tray icons.
Touchscreen display	A graphical computer interface display screen that allows the user to enter and select items with a stylus .
Uniform Resource Locator (URL)	The address of a resource on the Internet. URL syntax is in the form <i>protocol://host/localinfo</i> , where <i>protocol</i> specifies the means of returning the object, such as HTTP or FTP. <i>Host</i> specifies the remote location where the object resides and <i>localinfo</i> is a string, often a file name, passed to the protocol handler at the remote location. <i>Also called</i> a Uniform resource Identifier.
USB	Universal Serial Bus is a protocol for connecting PCs with peripheral devices, including PDTs, PDAs, cameras, printers, mice, scanners, etc.
WEP	Short for Wired Equivalent Privacy, a security protocol for wireless local area networks (WLANs) defined in the 802.11b standard. WEP is designed to provide the same level of security as that of a wired LAN. WEP aims to provide security by encrypting data over radio waves so that it is protected as it is transmitted from one end point to another.