



Designed for purpose, built to last.

iDL500



Rugged Mobile Computer

- Read all TWIC, CAC, FRAC and PIV cards
- Connect using integrated WiFi, Bluetooth and GSM / GPRS wireless links
- Verify identity using multi-modal biometrics in one mobile unit
- Rapidly and efficiently process large amounts of captured data on the spot



The iDL500 multimodal, rugged mobile computer offers a complete set of features for virtually any identity management challenge. On-board contact card, contactless card, barcode, and optical fingerprint readers combined with a digital camera, GPS, and comprehensive wireless communications make the iDL500 truly unique!

The iDL500 integrates enhanced features for the widest range of identity management applications. Additional card reading capabilities are provided by the combined contactless & smart card reader which is FIPS-201 compliant and has iClass® capabilities. Optional magnetic swipe & OCR/MRZ accessories allow the operator to screen credentials, including passports, e-passports, Transportation Worker's Identification Credentials (TWIC), Common Access Cards (CAC), First Responder Authentication Cards (FRAC), Personal Identity Verification (PIV), driver's license and other documents. The latest digital camera technology offers fast acquisition of FIPS-201 compliant facial images even under low-light levels.

This powerful set of personal identity validation features are complemented by 3G UMTS, GSM/GPRS/EDGE, 802.11b/g WiFi, and Bluetooth wireless communications capabilities. Running Microsoft® Windows CE .NET 5.0 and 6.0, the iDL500 offers an open, flexible platform. It is supplied with a comprehensive Software Development Kit to enable fast and easy application development.



While the entire device weighs less than two pounds, the high-impact ABS plastic case is shock tested to survive repeated drops of more than three feet to concrete and is designed to withstand ingress of water and dust. At only 9.2" by 4.2" by 2.3", the unit's compact size still allows for a 3.5" color TFT LCD display at 320x240 resolution that is readable in sunlight. An integrated 40-key QWERTY keyboard also includes several programmable function keys. The high capacity Lithium-Ion battery is designed to last a full typical shift. It is hot swappable and easily changed to allow continuity of operation during periods of intensive or extended use.

Ergonomically designed to sit easily in the operator's hand, the iDL500 is lightweight and provides a truly mobile and flexible multimodal identity management tool.

Specification Highlights

Core:

Processor	PXA270 @ 520MHz
RAM	128 MB
Flash	1GB
Additional Memory	4 GB micro-SD card as standard (higher capacity cards supported)
Operating System	Windows CE.NET 5.0 and 6.0

Peripherals:

Fingerprint Reader	Optical 500DPI, FIPS201 approved, 0.64" x 0.95" (16.2mm x 24.3mm) window, 480 x 320 pixel image
Barcode Reader	All common 1D & 2D barcodes
Camera	1.3 MP color, FIPS compliant for facial image capture, LumiLED illumination
GPS	50 channel high sensitivity GPS receiver
Contactless Card	FIPS approved ISO 14443 proximity and ISO 15693 vicinity card reader
Contact Card	FIPS approved ISO 7816 smart card reader

User Interface:

Display	3.5", landscape format, 65K color 320 x 240, ¼ VGA active TFT, backlit touch screen
Keyboard	40 key, QWERTY layout, two application buttons in hand grip, backlight

Communications:

USB	USB full speed host/slave, compatible with USB 2.0 hosts. 100mA max supply, supports mass storage and other devices including keyboard and mouse.
WPAN	Class 2 Bluetooth 2.0 / 2.1 + EDR
WLAN	802.11 b/g WiFi
WWAN	UMTS/HSDPA 7.2Mbps (WCDMA/FDD) 850/1900/2100 MHz Quad-band EGSM 850/900/1800/1900

Power:

Main Battery	5000mAh Lithium-Ion, fuel gauge
Backup Battery	Hot-swap supported via internal super-capacitor

Physical:

Weight	1.8lbs (820g) including battery
Dimensions (LxWxH)	9 ¼" (235mm) x 4 ¼" (107mm) x 2 ½" (59mm)

Environmental:

Operating Temp	15° to 130° F (-10° to 55° C)
Storage Temp	-5° to 150° F (-20° to 65° C)
Humidity	10% to 90% RH, non-condensing
Drop Durability	Six repeated 4ft (1.2m) drops onto concrete
Sealing	IP66
Electrostatic Discharge	+/- 4kV DC (contact discharge, direct / indirect), +/-8kV DC (air discharge)

Regulatory:

North America / FCC, Europe / CE

Included Accessories:

12V 3A universal a/c adapter, mains cable, USB cable, two batteries & manual. SDK on request.

Optional Accessories:

ISO 7811 compliant Magnetic Stripe reader. ICAO / ISO 7501 compliant OCR-B / Machine Readable Zone (MRZ) reader, stand-alone battery charger, additional batteries, military spec pocket holster with belt attachment

US Offices

4445 Corporation Lane
2nd floor
Virginia Beach, VA
23462
USA
Tel: (888) MAX-ID01
Tel: (757) 213-6863

6601 Owens Drive
Suite 145
Pleasanton, CA
94588
USA
Tel: (888) MAX-ID01
Tel: (925) 468-0109

info@maxid.net
www.maxid.net

All product and company names are trademarks, service marks or registered trademarks of their respective owners.

Specifications are subject to change without notice.
*All trademarks are acknowledged. MaxID has endeavoured to ensure that all information in this document is correct and fairly stated but does not accept liability for any errors or omissions. The development of MaxID products is continuous and published information may not be up to date. It is important to check the current position with MaxID or your local representative. This document is not part of a contract or licence save in so far as may be expressly agreed.

