

OPTICON

H19 Series

Beyond "Smart". It's **Genius.**



Interact



Communicate



Scan

Ideal tool for:

- Field Sales
- Field Service
- Retail
- Health Care





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The Opticon H19 PDA is a first of its kind advanced mobile phone with built in barcode scanner, featuring Microsoft® Windows Mobile® 6 Professional. Built to last, the H19 can withstand multiple drops to concrete from four feet as well as adverse environmental conditions, with its IP54 compliant design. You can always keep in touch, using any of the H-19's communication options, Bluetooth®, WiFi®, or GSM/eGPRS/EDGE. We have even added integrated GPS, so you'll always know where you are! More than just a PDA, the H19 reveals its true Genius with an embedded barcode scanner, allowing you to collect barcode data, interact with your mobile software solution (sold separately), and send your information to a central ERP system. One device - a world of opportunities!



■ Extending the Desktop beyond the Desk

With this slim function PDA you can e-mail on the move or carrying out operations and maintain communication far away from the office. Microsoft® Windows Mobile® 6 Professional powers the H-19 and this extension of the familiar desktop environment allows the user to be productive almost instantly. Your workforce will have on-demand access to well known applications as well as extensions of custom enterprise applications regardless of physical location. Microsoft® Windows Mobile® 6 Professional features Direct Push e-mail technology, Internet browsing, synchronization with Outlook® Mobile Calendar, Contacts and e-mail, and the ability to work on applications in the Office® Mobile suite such as Word®, Excel and PowerPoint®.

■ Signature Capture and Touch Operation

The H19 also features a 2.8-inch color LCD that can be used for touch-screen operations such as signature capture as well as having the ability to instantly rotate the screen layout when required for increased working area.



Interact

Interact with an application using the barcode

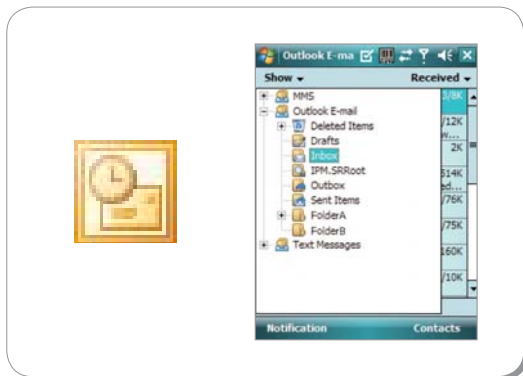
The Opticon H19 is all about interaction. Opticon started with the Microsoft® Windows Mobile® 6 Professional operating system as its core platform, and built up from there.

The Windows platform supports Outlook® Mobile using Direct Push Technology, Office® Mobile, Media Player® and Internet Explorer® Mobile.



Everything you need in one advanced PDA!

Microsoft® Office Outlook® Mobile



Need a personal secretary? Outlook® Mobile comes handy when you need to check or update your up-to-date calendar, contact information or tasks on the road. Enjoy the enhanced direct push e-mail technology while you are out of the office.

Microsoft® Office® Mobile



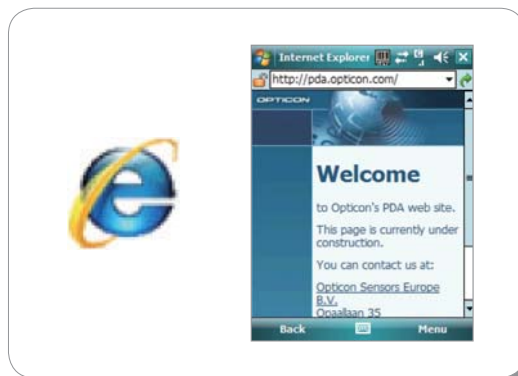
Use Office® Mobile to create or edit documents or give presentation while you are off-site. Perform your best when you are needed.

Windows Live® for Windows Mobile®



Need to go back to your office for a quick brain storm? What about using Windows Live® for Windows Mobile® and save your time?

Internet Explorer® Mobile



Need to check the internet? Use Internet Explorer® Mobile and get connected to the world.

With Microsoft® Windows Mobile® 6 Professional, the H19 can now better protect not only data stored in itself, but also encrypt information stored on a removable memory card!



Communicate

Send information using cellular, WiFi® or Bluetooth®.

With the Opticon H19, you will never be out of touch. Opticon has packed the H19 full of communication options.

A Bluetooth® radio allows you to wirelessly connect and communicate with any Bluetooth® enabled peripheral.

Opticon doesn't stop their though - the H19 also is WiFi® ready supporting IEEE 802.11(b/g).

The H-19 can easily log into any WiFi® network, supporting Internet browsing and connection into your enterprise network. This WiFi® connectivity allows your employees to travel from site to site and remain as productive as if they were sitting at their desk.

Finally, the H19 is an advanced PDA, supporting GSM/eGPRS/EDGE cellular communication. Using cellular allows your employees to take full advantage Internet, e-mail, voice and data anywhere in the world that they find themselves.



Connection into your enterprise network



The communication technologies allow to connect the H19 to many peripherals of your enterprise network, from an earphone, to a printer, to another computer or mobile device, by internet, by e-mail or voice.

GPS

Never lost. Always on time.

With the incorporated Global Position System your workforce can easily find their destination. They can also record the geographical location with their other registrations, like adding real-world coordinates (X,Y) to the scanned data.

Easily find your destination and record your location with the integrated GPS.



Scan

Scan a barcode



The Opticon H19 incorporates robust barcode scanning and advanced mobile computing into a single multifunctional business tool.

The H-19 features real barcode scanning from your choice of a laser barcode scanner or 2D imager.

Enjoy the smooth scanning performance!

H19A



Opticon employs its industry leading laser scan engine that brings a powerful 100 scan per second laser reading barcodes of any quality and size in the H19A.

H19B



The H19B uses Opticon's CMOS imager engine. This 1.3 mega-pixel monochrome imager that reads all 2D and stacked barcodes.



Market

The OPTICON H19 is ideal for the following markets:

✓ Field Sales



Applications

- On-line order confirmation
- Warehouse management
- Voice picking
- (Bulk) Transport
- Route tracking (GPS)
- Controlling (error reduction)
- Signature capturing

The Opticon H19 is the perfect tool for your sales force in the field. The H19 not only keeps your sales people in touch with e-mail, CRM, ERP and other enterprise applications, it also allows them to keep information up to date, easily find the location, manage inventory in the field and close sales with your customers.

✓ Field Service



Applications

- Customer relation management
- Route tracking (GPS)
- Inventory
- Picking (list of materials)
- Signature capturing

The Opticon H19 will help you serve your customers faster, more effectively and collect detailed information accurately and effectively. Imagine a device that can be used to dispatch your field service personnel, relay important customer information, manage inventory, collect incremental charges related to the service call and send all of that information back to central accounting instantly. We already did – it's the H19!

✓ Retail



Applications

- Customer relation management
- Order entry
- Inventory management
- Stock movement/replenishment
- Loss prevention
- Price checking
- Signature capturing

The Opticon H19 will revolutionize the Retail world! It can serve as a mobile Point-of-Sale device, store and operations management tool, mobile merchandising and allocation management tool, or loss prevention tool. This advanced mobile PDA will streamline every aspect of your retail operation; from better inventory management, to better merchandise decision-making, to increased customer through-put, the H19 will increase sales and enhance your customer interaction.

✓ Health Care



Applications

- Intramural care efficiency
- Prescription tracking
- Order entry
- Equipment inventory
- Extramural care optimizing
- Records tracking
- Instant data mutations
- Patient security
- Signature capturing

Opticon's H19 Advanced PDA brings information and access to those who need it most – health care professionals. The H19 in conjunction with any Health Care Information System will provide real time access to patient information, drug information or to treatment orders. The Opticon H19 can perform as a single device that can augment or even replace several devices that doctors and nurses rely on every day. From emergency room triage, to treatment and prescription orders to bedside scanning, the H19 will make health care professionals provide more efficient administration and error free care.

Basic Product Specifications

Dimension and Weight

Dimension	62.3 x 140.8 x 25.5 mm 2.45 x 5.54 x 1.00 in	
Weight	H 19A	195g / 6.9 oz (incl. battery)
	H 19B	200g / 7.1 oz (incl. battery)

System Information

CPU	Samsung S3C2440A, 400MHz
Operating System	Microsoft® Windows Mobile® 6 Professional
Memory	64 MB RAM 512 MB FlashROM
Memory Expansion	External mini SDIO

Key and Indication

Key and Indication	<p>Key</p> <ul style="list-style-type: none"> • 5-way navigation with action input • 2 Scan keys • Volume up and down • Power button • Phone buttons • Reset button • Voice record • Hot keys • Fn key and backspace key • 12 key numeric dial pad <p>Indication</p> <ul style="list-style-type: none"> • 2 LEDs (red/orange/green/blue) • Speaker • Vibrate
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Display

Type	Transflective TFT LCD with touch panel and backlight
Mode	Portrait / Landscape
Size/Resolution/Color	2.8", 240x320 pixels, 16-bit colors

Scanner

H-19A 1D Model	Red Laser Diode
	<p>Supported Symbologies: JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes</p>
H-19B 1D/2D Model	CMOS Area Sensor
	<p>Supported Symbologies: 1D : JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes 2D : Aztec Code, Aztec Runes, Data Matrix (ECC200/ECO-140), Maxi Code (mode 2-5), MicroPDF417, PDF417, QR code</p>

Connectivity

Bluetooth	Bluetooth® Ver. 1.2
Wi-Fi	IEEE 802.11 b/g
Telecom	GSM/GPRS/EDGE 850/900/1800/1900, GPRS class 12, EDGE class 10
USB	mini USB (ver.1.1 client)

GPS

Built-in GPS module	SiRF Star III
Cold Start Time	45s
Warm Start Time	45s
Hot Start Time	10s
Reacquisition Time	< 1s
Accuracy	Static: 3m, Dynamic: 30m

External Memory Card

Card Slot	Mini SDIO card slot
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Battery and Power

Main Battery	Lithium ion polymer 4.2V 1440mAh
Talk Time	4 hours
Standby Time	150 hours
Battery Charing Time	4 hours (full charge through AC adapter) 6 hours (USB cable connected to PC)
Backup Battery	5 minute RTC after main battery removal 168 hours RTC in main battery low power

Enclosed items

AC adapter, Ear microphone, USB cable (client to host), Leather case, Neck strap, Belt clip, Handstrap, Lithium-ion polymer battery, Getting started disc and Stylus pen



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