

H41 Wireless Enterprise Communicator

Integrated onboard

GSM/GPRS

(Phone - Voice, SMS, Data)

GPS

(Localisation, Navigation)

BCR

(Bar Code Reader)

Large Easy to Read Colour LCD

- 1/2 VGA 640x240 pixels (153x58 mm)
- can be read indoors & outdoors

Big Touchscreen Keyboard

- finger operable QWERTY keyboard
- flexible key configuration
- signature capture capability

Portrait & Landscape Operation

- software switchable
- ergonomically shaped

True One Hand Operation

- programmable ActionKeys positioned on the side
- secure grip

GPS Navigation & Positioning

- point of activity
- satellite navigation system

GSM/GPRS Phone

- data/voice/sms communication
- dual band (900/1800)
- instant access to corporate network

Ruggedised

- weather and drop resistant
- unbreakable connectors

Long-Term Performance

- Li-Ion battery with high power capacity
- on screen battery charge level indicator

Simplicity as a Principle

The H41 ruggedised Wireless Enterprise Communicator (WEC) is designed for use in any application where mobile users need to collect and manage information at the point of activity: remote logistics, transportation, field services, utilities, retail on the move, public safety, forestry, military, ... in practically any mobile enterprise solution.

Ease of Use in Harsh Conditions

The H41 WEC has been developed for users for whom finger rather than stylus operation is more appropriate for a mobile device. Finger operable QWERTY touch screen keyboard and programmable ActionKeys deliver true "anywhere" usability.

The H41 WEC is sealed for protection against windblown rain and dust and is able to withstand multiple drops on a hard surface.



GSM/GPRS Phone

The H41 WEC has integrated Dual Band GSM/GPRS capabilities (Voice communication, SMS and realtime secure Data transmission). A custom designed application converts the H41 WEC into a convenient voice phone with recording and SMS features.

Mobile Internet without Restrictions

The H41 WEC offers internet connectivity enabling efficient access to web-based applications or corporate intranet data from anywhere GSM/GPRS coverage is available.

H41 WEC

optimised for outdoor activities



Investment Protection

Applications can be installed or removed, configurations changed, and the operating system upgraded, all through remote management tools.

The H41 WEC is built upon industry standards such as Microsoft Windows®CE.NET, TCP/IP, Wi-Fi, GSM/GPRS and GPS. This open architecture protects Client's investments and provides a migration path to new technologies.

Windows®CE.NET Operating System

The compatibility of our products with the Microsoft Windows®CE.NET operating system allows them to run thousands of applications.

The H41 WEC provides the standard PIM software (Pocket Word, Inbox, Pocket Internet Explorer,...) as well as ActiveSync for synchronization with desktop PC's.

Standard 32-bit application development tools from Microsoft and third parties provide flexibility and easy integration for customised solutions.



High-performance Data Processing

The Intel Strong®ARM microprocessor is optimised for portable and embedded application requirements today and in the future.

Optional System Extension

Wireless LAN (802.11b) communication or any technology available on CF Card can be implemented.

Abundance of Memory Capacity

SDRAM, Flash ROM and MMC memories offer enough space for all significant professional business applications and for the Windows®CE.NET operating system. MMC provides protection against data loss.

Further memory expansion is possible with a CF Card.

Secure Bar Code Reading

The H41 WEC features a state-of-the-art miniature laser scan engine, that delivers a premium performance. This enables the mobile user to capture bar coded data even in sunlight or bright artificial light.

Position and Location Based Services

Global Positioning System (GPS) tracks vehicles, provides emergency assistance, provides navigation for drivers, localises point of activity, helps to secure online proof of delivery, and allows the use of emerging Location Based Services.

Physical Characteristics

Dimensions

Length: 230 mm; Width: 94 mm; Height: 34 mm

Length: 9.05 in; Width: 3.70 in; Height: 1.34 in

Weight

575-630 g (incl. Battery, depends on HW configuration)

Environmental Sealing

IP54 Standard compliant (windblown dust and rain)

Drop Specification

1.2 m to concrete

Storage Temperature

-30 to 60oC

Operating Temperature

-10 to 60oC

Relative Humidity

5% to 95% non-condensing

Key Hardware

CPU

32-bit RISC Intel StrongARM -1110, 250 MIPS (Dhrystone 2.1)@206 MHz

RAM

32/64 MB SDRAM

ROM

32 MB Flash ROM

Display & Touch screen

1/2 VGA 640 x 240 pixels (153x58 mm), 6.3" Color STN, transfective or transmissive, integrated touchscreen, CFL backlight

Sound

12 bit sound, 1 speaker, 1 microphone, bi-directional audio

GSM/GPRS

Dual Band 900/1800, Data/Voice/SMS

BCR (Bar Code Reader)

integrated high performance 1D laser scanner

GPS (Global Positioning System)

integrated onboard, internal antenna, external antenna connector

CF Card

Type II (internal - service accessible)

MMC (MultiMediaCard)

user accessible

Power

Internal: 4800 mAh Li-Ion battery, External: see Accessories

Wireless & Wired Data Communication

Wireless WAN

integrated GSM/GPRS Dual Band 900/1800, Data/Voice/SMS,

internal antenna, user-accessible SIM card holder

Wireless LAN

optional, 802.11b (11 Mbps) via CF Card Type II socket

PAN

optional, Bluetooth via CF Card Type II socket

IrDA

115 Kbps

USB B

up to 12 Mbps (slave)

RS-232

115 Kbps

Key Software

Operating System

Windows®CE.NET

H41's Applications

- BCR application
- SMS send/receive application
- GSM/GPRS data/voice application
- Voice Recording application
- GPS application
- Flash ROM Transferring
 - allows transfer of applications from RAM into Flash ROM
- Large Finger operable QWERTY Keyboard

Docking Stations & Accessories*

Docking Station Indoor - Classic

Cradle, Multi-positioning Arm, Desktop/Wall Mounting Kit, Desktop Base Power Supply Adapter + Cable, Data Interface (RS-232,USB)

Docking Station Vehicle - Classic

Keyboard and Headset Plug in

Cradle, Multi-positioning Arm, Car Mounting Kit, Vehicle Connection Cable (Power, Ignition, Mic, Speaker, Mute)

Docking Station Vehicle - Antenna

CL Adaptor, Data Interface (RS-232,USB), Keyboard and Headset Plug in

Cradle, Multi-positioning Arm, Car Mounting Kit, Vehicle Connection Cable (Power, Ignition, Mic, Speaker, Mute)

Docking Station Vehicle - GPS

External GSM + GPS Antenna Cables

CL Adaptor, Data Interface (RS-232,USB), Keyboard and Headset Plug in

Cradle, Multi-positioning Arm, Car Mounting Kit, Vehicle Connection Cable (Power, Ignition, Mic, Speaker, Mute)

GPS Module + Antenna Cable, External GSM + GPS Antenna Cables

CL Adaptor, Data Interface (RS-232,USB), Keyboard and Headset Plug in



* for more details refer to respective datasheets