CS40

Mobile Computer

The CS40 is a high-performance enterprise communication handheld computer in a sleek, lightweight ruggedized design. It is optimized for pre-sales, merchandising, residential and business field service, long haul and truck load transportation professionals. The CS40 features:

- Integrated 2D imager scans 1D/2D barcodes consistently delivering speed and accuracy

- 3.2 MP color camera for visual verification with the home office

- Construction that is built to withstand real-world handling with multiple 1.2-meter drops to concrete and IP54 sealing against rain and dust

- 4 radios, including 3.75 G wireless WAN, 802.11b/g, CCX v4, *Bluetooth*® Class II version 2.1+EDR, and GPS technology providing voice communication, high-speed data, and location information to improve worker productivity

- UMTS radio delivering high-bandwidth data and voice services to mobile users around the world for easy deployment

- Numeric and QWERTY keypad options to best suit user needs

- Intermec SmartSystems™ enabling rapid deployment with easy device configuration and the ability to ship direct to end-users using ScanNGo over WWAN

- Windows Mobile 6.5 operating system promoting an intuitive user interface and maximizes efficiency of touch navigation

- Full compatibility with printers, application software, communications, peripherals and accessories enabling a comprehensive enterprise business solution

Where Rugged and Sleek Meet

Intermec's CS40 is designed specifically for mobile field professionals who need productivity and reliability beyond a smart phone. The CS40 is Intermec's smallest rugged mobile computer. It combines ruggedness, advanced 3.75G voice and data communications, as well as integrated high-performance 1D/2D scanning capability in smart phone size and style. It is designed to connect your mobile workforce to the enterprise for real-time access to business information and data exchange.

Running critical enterprise business applications, the CS40 allows companies to improve their business processes, expand customer offerings, increase revenue and reduce the cost and complexity of a field mobility solution all at the point where it's needed most – on the front lines.

Intermec
by Honeywell

Drop the CS40 without Dropping Productivity

Intermec is a world leader in the design of mobile computing devices that stand up to the rigors of everyday use, and the CS40 is no exception. Ruggedness is integral to the CS40 design. It can withstand multiple 1.2-meter drops to concrete on all corners and all sides and is IP54 rated, which means it is sealed against rain, moisture and dust.

The professional design of the CS40 provides optimal ergonomics and consumer styling. However unlike consumer-grade devices, the battery is encapsulated in a single-rugged package to prevent disengagement when the device is dropped. In addition, the CS40 backlit key pad is wear-proof and the touch panel glass has been chemically strengthened to last the life of the device.

Integrated Scanning Without Compromise

The CS40 utilizes the proven Intermec EA11 imager that provides a familiar "laser-like" aimer and delivers high speed, accurate 1D and 2D barcode reading in any orientation. Ideally suited to the expanding use of 2D barcodes, including track and trace capability in symbologies such as DataBar (replacing UPC and EAN), the CS40 is the perfect fit for inventory management, ordering, light-handling delivery, and stock management applications. The no-compromise design also includes a high-performance 3 mega-pixel color camera with flash to easily capture photos, make notations, and transmit to the office for verification.

Superior Voice and Data Quality

With industry-leading cell phone technology at its core, the CS40 has outstanding voice quality and the latest 3.75G wireless WAN radio to deliver the fastest data and voice communications available on UMTS networks. The CS40 provides quick and reliable data connectivity for uploading large documents, real-time images or synchronization with the enterprise data base by utilizing high speed uplink packet access (HSUPA) technology and a high performance antenna.

Features That Go Further

The multiprocessor architecture of the CS40 delivers high-performance and supports robust features to meet the demanding schedule of your mobile workforce, all at low levels of power consumption. This architecture ensures that the CS40 standard battery is suitable for an uninterrupted full shift of trouble-free operation and maximum uptime throughout the workday, even while powering a bright 2.8 inch QVGA display that's easily viewed in full sunlight.

To simplify charging, the CS40 uses a MicroUSB connector with a universal cell phone charger to reduce the complexity of device-specific charging cables. In addition, the CS40 charging solution automatically comes with four snap on plugs to enable charging anywhere around the world.

The mobile professional can leverage the integrated GPS radio to reduce drive time and lower fuel costs by improving navigation to new customer locations. A built-in accelerometer allows the CS40 to rotate the display based on the orientation of the device, improving the user experience and efficiency.

The CS40 features a *Bluetooth®* v2.1 EDR radio which provides simple, secure wireless connectivity to headsets, Intermec mobile printers and other *Bluetooth* compatible devices. The CCX v4 certified 802.11 radio enables fast and secure voice communications or end-of-day synchronization with the enterprise network.

Ready for Business

With Intermec SmartSystems™ preloaded on the CS40, IT Managers can quickly, easily and securely provision, configure, and deploy application software, device settings, and policies for remotely located CS40 devices all from the convenience of their desk. SmartSystems™ software also automatically stages system and software updates, as well as configuration changes, to keep on-going system maintenance costs low, and your CS40s performing in top condition.

As an added convenience, remotely located mobile professionals can use the SmartSystems ScanNGo over WWAN capability to load the golden configuration and application files from their IT department by simply scanning a barcode when they receive their new or replacement device.

Software developers can access a comprehensive software toolkit through the Intermec Developer Library to simplify application development and shorten time to deployment. Additionally, Skynax can be employed to supply mobility support and connectivity features like secure reliable data communications, device management, and customer specific business data rules over any type of connection.

The CS40 is supported by a suite of fully integrated system components including peripherals and accessories.

Business Systems that Work

Intermec systems are designed to meet the needs of the enterprise and incorporate features that lower total cost of ownership. To ensure seamless coverage and protection of initial investment, Intermec and its global network of partners provide advanced support services from evaluation and integration to implementation and ongoing device maintenance.

Intermec®

by Honeywell

Physical Characteristics
Dimensions with battery:
L: 13.3 x **W:** 6.3 x **D:** 2.4cm (5.25 x 2.46 x .94 in)
Weight: 196 gm (6.9 oz) with battery

Environmental
Operating Temperature: -10° C to +50° C
(14° F to +122° F)
Storage Temperature: -25° C to +70° C
(-13° F to +158° F)
Charging Temperature: +5° C to +30° C (41° F to 86° F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Resistance: IP54
Drop Specification: 1.2m (4 ft) per
MIL-STD 810G
Electrostatic Discharge: +/- 15 kV air discharge,
+/- 8 kV direct discharge

Power
Standard Battery Pack: 3.7 V, 1430 mAh; IEEE 1725
compliant, Li-Ion, removable, rechargeable

Operating System
Windows Mobile 6.5
Getting started information:
www.windowsmobile.com/getstarted

Multi-Processor Architecture
Main Processor ARM 11 @ 528 MHz
Radio Processor ARM 9 @ 320 MHz

Memory and Storage
Memory: 256 MB RAM (approximately 150 MB
available for user applications)
ROM: 512 MB Flash (approx 350 MB available for user
applications) Customer-accessible micro-SD slot for
removable memory cards up to 32 GB

Display
2.8 in, 240 x 320 pixel (QVGA) trans-reflective
TFT-LCD display
65,536 (16 bit RGB) colors
LED backlight
Touch screen

Standard Communications
USB – High Speed 2.0 OTG

Software
Device Management: Intermec SmartSystems™ Client
included and compatible with most popular
3rd party device management solutions
Application Development: Support Windows APIs and
Intermec Developer Library

Integrated Radios
Wireless WAN: 3.75G UMTS / HSUPA
UMTS Frequencies: 850, 1700, 1900, 2100 MHz
GSM/GPRS Frequencies: 850, 900,
1800, 1900 MHz
Technology Class UMTS: 3.75G HSUPA
Max Speeds: Uplink - 2.0 Mbps; Downlink - 7.2 Mbps
Antenna: Internal

Wireless LAN:
IEEE®802.11 b/g Data rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24,
36, 48 and 54 Mbps
Operating channels: 1 to 13 (2412-2472 MHz)
Regulatory compliance: As per IEEE® 802.11d
Antenna: Internal
Security: WiFi Certified for WPA/WPA2 operation
Authentication: PEAP/MS-CHAP v2, EAP-TLS, CCX v4

Wireless PAN: Integrated *Bluetooth*® Class II,
Version 2.1+EDR
Operating channels: 0 to 78 (2402-2480 MHz)
Data Rates: 1, 2, 3 Mbps
Antenna: Internal

Global Positioning System
12 channel Integrated GPS; Supports Autonomous
mode with extended ephemeris data; Supports
assisted operation via WAN Carrier; Network
independent; accuracy within 3m

Accelerometer
Embedded accelerometer enables automatic or
application-specific features such as "screen rotation"
and system suspend/resume

Audio Support
Supports VoIP / Speech recognition / PTT
applications; front and rear speakers; rear speaker
has >70 dB at 40 cm (15.7 in); Front panel microphone
for voice communication; Wireless *Bluetooth* headset
support

Integrated Camera
3.2 Megapixel fixed focus color camera with flash

Keypad Options
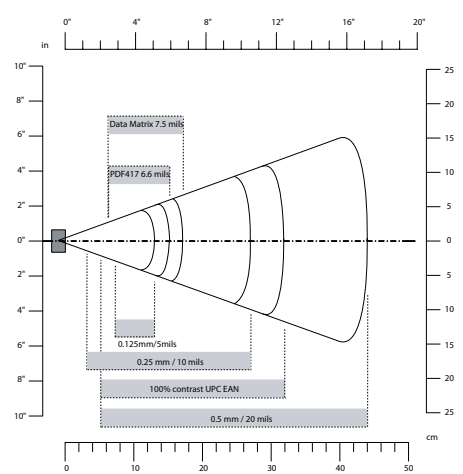Numeric (26 key) or QWERTY (42 key) with backlight

Accessories
AC /DC charger; USB Y-cable for charging and active
synchronization; Car power adapter; Truck power
adaptor; Vehicle holder; RAM mounts

Integrated Scanner
EA11 2D Imager; "laser-like" aimer; Capable of
scanning: 1D and 2D barcodes as small as 5 mil; PDF as
small as 6.6 mil; Data Matrix as small as 7.5 mil; and
standard UPCs from as far as 30.9 cm (12 in)

EA11 Standard Optics

EA11 Standard Typical Maximum Reading Distances

Symbology	Density	Maximum Distance
Code 39	0.125 mm/5 mils	13.1 cm/5.1 in
	0.20 mm/8 mils	22.5 cm/8.8 i
	0.25 mm/10 mils	27 cm/10.5 in
	0.5 mm/20 mils	44 cm/17.2 in
	1 mm/40 mils	83 cm/32.4 in
UPC/EAN	0.33 mm/ 13 mils	32 cm/12.5 in
Data Matrix	0.19 mm/7.5 mils	17.3 cm/6.7 in
	0.25 mm/10 mils	22 cm/8.6 in
	0.38 mm/15 mils	29 cm/11.3 in
PDF417	0.16 mm/6.6 mils	15.4 cm/6 in
	0.25 mm/10 mils	23 cm/9 in
	0.38 mm/15 mils	37 cm/14.4 in

Intermec Global Services Support
www.intermec.com --> Support --> Knowledge Central
Telephone support available in the USA & Canada
(1-800-755-5505). Outside of this area, contact your
local representative.
Current listing of service locations can be found at:
www.intermec.com --> Support --> Returns and
Repairs --> Repair Locations

Regulatory Approvals and Compliance
Safety: cULus Listed, , DEMKO, NOM, BSMI
EMC: Class B – FCC/ICES/EN , GOST-R
Radio: : FCC w/HAC, Industry Canada, CE2200,
A-tick (AU), C-tick (NZ), NCC, OFTA, IDA ,HKSI, ICASA,
POSTEL, NTC, ETA, SIRIM, ANATEL, 61 countries in
total
Environmental: EU Directives-WEEE, RoHS, Batteries
& Accumulators, Packaging & Waste Packaging

Your Logo Here

Company Name
123 Your Street
City, State Zip
123.456.7890
info@YourURL.com
www.YourURL.com

Intermec®
PartnerNet

In a continuing effort to improve our products, Intermec
Technologies Corporation reserves the right to change
specifications and features without prior notice.