

Intermec Mobile Computers

Comparison of Software Features

CN3 Series, CN4 Series, CN50

May 2009 v1

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Operating System and Processor				
Windows Mobile 5.0	✓			
Windows Mobile 6.1	✓	✓	✓	Offers support for Microsoft IE6
X-Scale Processor	✓	✓		CN3/3e and CN4/4e have identical processor
Main Processor: ARM 11 Radio Processor: ARM 9			✓	
WWAN				
GSM/EDGE	✓	✓	✓	Worldwide
UMTS / HSDPA		✓	✓	Worldwide
UMTS / HSUPA			✓	Worldwide
CDMA 1xRTT	✓	✓	✓	North America only
CDMA EV-DO Rev 0	✓	✓	✓	North America only
CDMA EV-DO Rev A		✓	✓	North America only
Network Flexible			✓	May be configured for use with GPRS or CDMA networks. Radio configuration must be performed by authorized Intermec Service provider.
Software Support				
Intermec Connection Manager	✓	✓		Utility for Intelligent roaming between WWAN, 802.11 and Ethernet

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
WWAN Toolkit	✓	✓		Cuts time required to develop applications which control WWAN connectivity
WLAN				
802.11 b/g	✓	✓	✓	Identical for CN3/CN3e, CN4/CN4e
Cisco Certified (CCX v4)	✓	✓		
Assured Radio Deactivation	✓	✓		
Software Support				
iFTP	✓	✓		Intermec FTP application
iConnect	✓	✓		Intermec wireless configuration & mgmt utility
iSpyWiFi	✓	✓		WLAN diagnostic and troubleshooting utility
WPA, WPA-PSK, WPA2, WPA2-PSK, WEP	✓ Available via Microsoft Zero-Config or Odyssey Supplicant	✓ Available via Microsoft Zero-Config or Odyssey Supplicant	✓ Available via Microsoft Zero-Config	
Open, Shared Key, EAP-TLS, PEAPv0/MSCHAPv2	✓	✓	✓	Available through Microsoft Zero Config Supplicant
Open, Shared Key, LEAP, EAP-TLS, PEAP/MSCHAPv2, PEAP/GTC, PEAP/MD5, EAP-TTLS/PAP, EAP-TTLS/CHAP, EAP-TTLS/MS-CHAP, EAP-TTLS/MSCHAPv2, EAP-TTLS/PAP-GTC, EAP-TTLS/EAP-GTC, EAP-TTLS/EAP-MD5, EAP-FAST	✓	✓		Available through Odyssey supplicant which ships on CN3 & CN4

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Communications Resource Kit	✓	✓	✓ Network Tools API supported. Other APIs not supported	
Intermec Settings Configuration Support	✓	✓	✓ Available via Remote configuration. Not available via control panel applet	
SmartSystems Scan-to-Connect	✓	✓	✓	Attach to secure wireless network via scan. Requires license to generate Scan-to-Connect barcodes
Serial, USB, Ethernet				
RS232 Snap-on w/ SmartSystems™ Asset Reporting	✓	✓		Identical for CN3/CN3e, CN4/CN4e
USB Snap-on	✓ w/ SmartSystems™ Asset Reporting	✓ w/ SmartSystems™ Asset Reporting		Identical for CN3/CN3e, CN4/CN4e
Ethernet, Snap-on w/ SmartSystems™ Asset Reporting	✓	✓		Identical for CN3/CN3e, CN4/CN4e
Software Support				
Communications Resource Kit	✓	✓		
Imaging / Scanning				
2D B/W Imager	✓			EA11 scan engine
2D B/W Imager with Enhanced Aiming		✓	✓	EA21 scan engine
Scan Handle Accessory	✓			
Holster	✓	✓		
Software Support				
Enhanced Mobile Document Imaging (eMDI)		✓	✓	

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Image Conditioning Application Support	✓ WM 6.1 or above	✓		
Wedge Scanning Support	✓	✓	✓	
Data Collection Grid	✓	✓	✓	Manipulate scanned data without application development effort
Data Collection Resource Kit	✓	✓	✓	
Intermec Settings Configuration Support	✓	✓	✓ Not available via control panel applet	
Easy Set configuration of imager settings	✓	✓	✓	Scan barcodes to configure imager
Camera				
2 Mpxl Color Camera	✓	✓		Camera is available in lieu of area imager option for CN3/CN4.
3.1 Mpxl Color Camera			✓	Both camera and area imager included in CN50.
Software Support				
Multimedia Resource Kit	✓ Q3 '09	✓	✓	
Bluetooth / IrDA				
Bluetooth	✓ enhanced Intermec support	✓ enhanced Intermec support	✓ std Microsoft support	Identical for CN3/CN3e, CN4/CN4e
IrDA	✓ only in configs with imager	✓ available in all configs		
Software Support				
Bluetooth Resource Kit	✓	✓		
Audio				
Audio Jack/Rugged Power Adapter, Snap-on w/ SmartSystems™ Asset Reporting	✓	✓		Identical for CN3/CN3e, CN4/CN4e

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
BT headset support	✓ enhanced Intermec support	✓ enhanced Intermec support	✓ std Microsoft support	
Software Support				
Bluetooth Audio Wizard	✓	✓		
GPS				
Autonomous GPS	✓	✓	✓	Able to calculate mobile computer's location relying solely on satellites within line-of-sight.
Extended Ephemeris Mode Over WWAN Connection	✓	✓	✓	
Extended Ephemeris Mode Over WLAN or Ethernet	✓	✓		
Extended Ephemeris Mode Using self-generated data		✓		Default Mode for CN4 and CN4e. Software upgrades available for CN3 and CN3e.
Carrier Assisted GPS (Also known as AFLT)			✓	Augments satellite GPS information with position information from cellular towers to calculate mobile computer's location in areas without clear line of site (urban canyon, obstructed view, etc). Only available from carriers which provide location based services. May require additional carrier fee for location based services.
Position Accuracy: +/- 3m	✓	✓	✓	
WAAS Support	✓	✓	✓	
Software Support				

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Location Services Resource Kit	✓ Available Q3	✓ Available Q3	✓ Available Q3	Standardizes location information from any location provider, such as GPS or location information encoded in a barcode.
Intermec Settings Configuration Support	✓	✓		
iGPS Control Panel Applet	✓	✓		
Sensors				
Accelerometer			✓	
Compass			✓	
Software Support				
Device Resource Kit			✓	New APIs to support Accelerometer & Compass
Batteries				
Standard Battery Pack 8.1 watt hrs w/ <i>SmartSystems™ Battery Management Technologies</i>	✓	✓		Identical for CN3 and CN4, but not offered with the CN3e or CN4e models.
Extended Battery Pack 14.8 watt hrs w/ <i>SmartSystems™ Battery Management Technologies**</i>	✓	✓		Identical for CN3/CN3e, CN4/CN4e
CN50 Battery Pack			✓	
Software Support				
Intermec Settings Configuration Support	✓	✓		
Power Profiler Control Panel Applet	✓	✓		
Desktop Docks & Power				

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Single Dock	✓ (w/ SmartSystems Asset Reporting)	✓ (w/ SmartSystems Asset Reporting)		Identical for CN3/CN3e, CN4/CN4e
Single Dock with Ethernet or Modem Module	✓ (w/ SmartSystems Asset Reporting)	✓ (w/ SmartSystems Asset Reporting)		Identical for CN3/CN3e, CN4/CN4e
Desktop AC adapter	✓	✓	✓ (w/USB port)	
Multi-Dock, Ethernet	✓ (w/ SmartSystems Asset Reporting)	✓ (w/ SmartSystems Asset Reporting)	✓	Identical for CN3/CN3e, CN4/CN4e
Multi-Dock, Charge Only	✓ (w/ SmartSystems Asset Reporting)	✓ (w/ SmartSystems Asset Reporting)		Identical for CN3/CN3e, CN4/CN4e
Quad Battery Charger	✓	✓	✓	Identical for CN3/CN3e, CN4/CN4e
Rugged Power Adatper, Snap-on	✓ (w/ SmartSystems Asset Reporting)	✓ (w/ SmartSystems Asset Reporting)		Identical for CN3/CN3e, CN4/CN4e
Vehicle Docks & Power				
Vehicle Dock w USB and Serial Comms <i>w/ SmartSystems™ Asset Reporting</i>	✓	✓		Identical for CN3/CN3e, CN4/CN4e
Vehicle holder			✓	
Auto Power (Cigarette Lighter) Adapter	✓	✓		Identical for CN3/CN3e, CN4/CN4e
Vehicle Power Kits for connection to vehicle battery or fuse box.	✓	✓		
Mobile Printers				
PB2 – 2” receipt printer	✓	✓	✓	
PB3 – 3” receipt printer	✓	✓	✓	
PB21 – 2”	✓	✓	✓	
PB22 – 2”	✓	✓	✓	
PB31 – 3”	✓	✓	✓	
PB32 – 3”	✓	✓	✓	

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
PB42 – 4" receipt printer	✓	✓	✓	
PB50 – 4" label printer	✓	✓	✓	
PB51 – 4" receipt printer	✓	✓	✓	
PW50 – 4" workboard receipt printer	✓	✓		
6822 – Full page invoice printer	✓	✓ (pending Release Q3 '09)		Requires separate terminal holder for each model.
Y-Cable for Powering PB42 and Handheld	✓	✓		
Software Support				
Wireless Printing Wizard	✓	✓	✓	
Printer Resource Kit	✓	✓	✓	
Bluetooth Resource Kit	✓	✓		
Intermec Settings Configuration Support	✓	✓	✓ (Not available via control panel applet)	Not available for the PB2 or PB3 printers
SmartSystems Asset Reporting Support for Printers	✓	✓	✓	Not available for the PB2 or PB3 printers
Portable RFID Readers				
IP30 RFID Reader	✓			
Software Support				
RFID Resource Kit	✓			
Intermec Settings Configuration Support	✓			
Wireless Reader Wizard	✓			
Handheld Scanners				
SF51 Scanner	✓	✓		
SR30	✓ (via vehicle dock)	✓ (via vehicle dock)		
SR61 Scanner	✓	✓		

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
SR61T	✓ (via vehicle dock)	✓ (via vehicle dock)		
Software Support				
Wireless Scanning Wizard	✓	✓		
Data Collection Resource Kit	✓	✓		
Bluetooth Resource Kit	✓	✓		
Intermec Settings Configuration Support	✓	✓		
Magnetic Stripe Readers				
Mag Stripe Reader, Snap-on w/ SmartSystems™ Asset Reporting	✓	✓		Identical for CN3/CN3e, CN4/CN4e
PB21 w/ payment card option	✓	✓		
PB31 w/ payment card option	✓	✓		
Software Support				
Data Collection Resource Kit	✓	✓		
Bluetooth Resource Kit	✓	✓		
DEX/UCS Support				
RS232/DEX, Snap-on w/ SmartSystems™ Asset Reporting	✓	✓		Identical for CN3/CN3e, CN4/CN4e
Software Support				
DEX Toolkit	✓	✓		
DEX Storefront	✓	✓		PC Test Utility emulates Retailer's DEX host for testing DEX transactions
System Maintenance				

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
OS Upgrades (Traditional Method)				Traditional method for Blockpoint OS delivery & installation requires reflashing mobile computer and includes silent upgrades. Field Upgrades <u>NOT</u> supported on CN50 using traditional methods.
Install using SD Card	✓	✓		Requires Screwdriver
Install using SmartSystems Console	✓	✓		Recommended method for upgrades
Install using GATC Skynax				Not yet supported
Install using SOTI MobiControl				SOTI has developed method to upgrade certain OS versions. Requires SD card. Contact SOTI for assistance.
Install using Wavelink Avalanche	✓	✓		Requires SmartSystems Upgrade Server on network and accessible to computer.
Install using Microsoft System Center Mobile Device Manager				Microsoft Mobile Device Manager does not support OS upgrades
Distributed via Intermec Downloads site	✓	✓		Formatted and System Tested for use with SD Card and SmartSystems installation methods
Distributed via Intermec Update	✓	✓		Requires SmartSystems Server. Automatic notification of new releases. On-demand "Check for Updates"

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
OS Updates (New Microsoft Image Update Method – Available in WM 6.1)				Delivers updates as files which do not reflash computer. Settings Preserved through update process. May require updates to be applied in sequence. CN50 updates will be delivered using Image Update method. Intermec reserves the right to distribute CN4 updates using this method. However, to avoid need to apply updates in sequence and for compatibility with CN3, updates may be delivered using traditional methods.
Install using SmartSystems Console			✓	
Install using GATC Skynax			✓	
Install using SOTI MobiControl			✓	
Install using Wavelink Avalanche			✓	
Install using Microsoft System Center Mobile Device Manager			✓	
SmartSystems Level 1 support <i>Silent OS updates</i>			✓	Requires License purchase. By default, Image Update method requires user response to prompts on mobile computer. When used with distribution methods above, Level 1 support removes prompts for silent updates.
SmartSystems Provisioning Support				
Scan-to-Connect	✓	✓	✓	
One-Step Provisioning	✓	✓	✓	
Scan-to-Load	✓	✓	✓	

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Intermec Settings Configuration Support				
Configurable Features				
Data Collection	✓	✓	✓	
RFID	✓			
Communications – Bluetooth	✓	✓	✓	
Communications – 802.11 Microsoft Zero Config	✓	✓	✓	
Communications – 802.11 Funk Supplicant	✓	✓		
Communications – Ethernet	✓	✓	✓	
Printers	✓	✓	✓	
Device Settings	✓	✓		
SmartSystems Information	✓	✓	✓	
Device Monitor	✓	✓	✓	Device storage, memory, battery
GPS	✓	✓		
License Manager	✓	✓	✓	Manage Licensed Intermec Software
Core Messaging Service	✓	✓	✓	SmartSystems Server Information
Access to Configurable Features				
Intermec Settings Control Panel Applet	✓	✓		Access settings directly on mobile computer
SmartSystems Console	✓	✓	✓	Remote access to Intermec Settings
GATC Skynax	✓	✓	✓	Requires installation of Skynax client
SOTI MobiControl	✓	✓	✓	Requires installation of SOTI client
Wavelink Avalanche	✓ (Avalanche Client is factory loaded)	✓ (Avalanche Client is factory loaded)	✓	Requires installation of Avalanche client

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
Microsoft System Center Mobile Device Manager	✓ (Only on Windows Mobile 6.1 version)	✓	✓	
Device Mgmt Resource Kit	✓	✓	✓	APIs allow programmatic access to device settings
Intermec Developer Library				
Data Collection Resource Kit	✓	✓	✓	
RFID Resource Kit	✓			
Bluetooth Resource Kit	✓	✓		
Device Resource Kit	✓	✓	✓	
Device Mgmt Resource Kit	✓	✓	✓	See Intermec Intermec Settings support.
Mobile Gadgets Resource Kit	✓	✓	✓	
Printer Resource Kit	✓	✓	✓	
Communications Resource Kit	✓	✓	✓ Only Network Tools API supported	
Multimedia Resource Kit	✓	✓	✓	Requires Purchase
Location Services Resource Kit	✓	✓	✓	Requires Purchase
WWAN Toolkit	✓	✓		Requires Purchase
DEX Toolkit	✓	✓		Requires Purchase
Other Intermec Software Support				
Features Demo	✓	✓	✓	Demo varies based upon available device features
Intermec Launcher	✓	✓		
Intermec Browser	✓	✓		
Intermec Terminal Emulator	✓	✓		
Connection Manager	✓	✓		
Install Select	✓	✓		Selectively uninstall SSPB content from mobile computer

Features	CN3 / CN3e	CN4 / CN4e	CN50	Comments
AutoRun, AutoCab	✓	✓	✓	