

CN3 / CN3e / CN4 / CN4e ATEX Fully Rugged Mobile Computers



Durable Semi Rugged Rugged **Fully Rugged** Ultra Rugged

CNx series Fully Rugged Mobile Computers

CNx

- Thin, rugged form factor fits the needs of the mobile worker
- Integrated GPS with internal antenna enables efficient deployment of resources, improves asset visibility
- WiFi®, Bluetooth®, and choice of WWAN radios (3G CDMA/EV-DO or GSM/EDGE) keep field workforce connected
- Color camera provides powerful tool for documenting proof-of-service or vehicle inspection
- Ultra-slim extended battery provides all-day power

Designed to meet the needs of workers performing mission-critical tasks in transportation, logistics and field service, the CNx ATEX (series) mobile computers deliver a powerful combination of communications technologies in a compact, rugged package.

With standard WiFi, Bluetooth and choice of integrated, network independent GPS receiver and WWAN voice and data services (including 3G EV-DO or EDGE), the CNx enables companies to stay connected with their mobile workforce in real time, driving improved efficiencies and increased asset visibility across their operations. The CNx provides access to information at the point of work, allowing companies to dynamically deploy the right resources to the right location, and enabling their mobile workers to tap into the information they need to work most effectively. With mobile intelligence at their fingertips, companies can increase customer responsiveness while also reducing inventory and transportation costs.

Built to survive the rigors of the road, the CNx meets rugged, standards-based environmental specifications and provides features that meet the needs of mobile workers. The CNx's 2.0 megapixel color camera provides a vital data validation tool, enabling workers to document proof-of-service or vehicle inspection. The CNx has a touch screen display, 128 MB RAM and is available with an ultra-slim extended battery that delivers easy-to-carry, all-day power.

The CNx runs Windows Mobile®, supporting direct push wireless email for real-time connectivity with corporate networks. For in-premise use, the CNx's support for Cisco® Compatible Extensions (CCX) ensures seamless interoperability in Cisco infrastructures.

CN3e







CN4e

- Enlarged keys and extensive communication options

CN4

- 3.5G wireless technology
- Fully rugged



				
Physical Characteristics	CN3 Dimensions with ATEX Battery Pack 160 x 81 x 33 mm (6.3 x 3.2 x 1.3 in) Weight: 14.0 oz - 16.0 oz (397-454 g)	CN3e Dimensions with ATEX Battery Pack 196 x 81 x 28 mm (7.7 x 3.2 x 1.3 in) Weight: 510 g - 567 g (18.0 oz-20.0 oz)	CN4 Dimensions with ATEX Battery Pack 173 x 81 x 33 mm (6.8 x 3.2 x 1.3 in) Weight: 397 - 454 g (14.0 oz-16.0 oz)	CN4e Dimensions with ATEX Battery Pack 210 x 81 x 33 mm (8.3 x 3.2 x 1.3 in) Weight: 510 - 567 g (18.0 oz-20.0 oz)
Environmental	Operating Temp: -20°C to +60°C (-4°F to +140°F) • Storage Temp: -20°C to +70°C (-4°F to +158°F) • Relative Humidity: 95% • Drop Spec: 1.8 m (6') per MIL-STD 810G • Electrostatic Discharge: +/- 15 kVdc air discharge, • +/- 8 kVdc contact discharge			
	Rain & Dust Resistance: IP54		Rain & Dust Resistance: IP64	
Power	ATEX Battery Pack: 3.7V, 4000 mAh, • (14.8 Watt hour) Li-Ion			
Operating System	Windows Mobile 6.1® with Internet Explorer 6 • Getting started information located at • www.windowsmobile.com/getstarted			
Microprocessor	Marvel PXA270M, 520 MHz			
Memory & Storage	RAM Memory: 128MB • Flash ROM: 256MB • Customer-accessible miniSD slot for removable memory cards up to 8GB			
Display	89 mm (3.5 in) QVGA (240 x 320 pixel) • Transflective TFT-LCD touch screen, LED backlight			
Standard Communications	USB 1.1 Host and Client; RS232 via vehicle dock or snap-on adapter; Ethernet via desktop single or quad dock or snap-on adapter; IrDA			
Integrated Radio Options	Wireless WAN: GSM/GPRS • GSM/GPRS Frequencies Supported - MHz: 850, 900, 1800, 1900 • Technology Class GSM: 3.5G HSDPA • Max Speeds: Uplink- 384 Kbps; Downlink- 3.6 Mbps		Wireless WAN: GSM/GPRS/EDGE/UMTS/HSDPA UMTS Frequencies Supported - MHz: 850, 1900, 2100	
	Wireless LAN: IEEE®802.11 b/g • Data rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48 and 54Mbps • Operating channels: 1 to 13 (2412-2472 MHz) and 14 (2484 MHz) Regulatory compliance: As per IEEE® 802.11 d • Cisco Compatible Extensions (CCX): v4 Compliant • Antenna: Internal • Security: WiFi Certified for WPA/WPA2 operation Authentication: OPEN, SHARED-KEY, PEAP (MSCHAPv2, GTC, MD5), EAP-TLS, EAP-FAST, EAP-TTLS (PAP, CHAP, MS-CHAP, MS-CHAPv2, PAP/Token Card, EAP with GTC) • Encryption: WEP (64 or 128 bit), AES, TKIP • Wireless PAN: Integrated Bluetooth® Class II, Ver 2.0+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; <3m accuracy			
Audio Support	VoIP, Speech recognition, Microphone, Wireless Bluetooth headset support, Wired external speaker support via vehicle dock			
Integrated Scanner Option	1 megapixel area imager with laser framer and aiming. Supports omnidirectional scanning and decode of 1D, 2D, Composite and Postal codes as well as signature capture. Supports Enhanced Mobile Document Imaging (optional Intermec software application).			
Integrated Camera Option	2.0 megapixel color camera with LED flash			
Keypad Options	QWERTY or Numeric backlit keypad	Numeric 10-Key or Phone Style backlit keypad	QWERTY or Numeric backlit keypad	Alphanumeric or numeric phone backlit keypad
Accessories	Single Dock, USB Host/Client (no modules), Single Dock, Ethernet Module, Single Dock, Modem Module, Quad Multi-dock, Ethernet, Quad Multi-dock, Charge Only, Quad External Battery Charger, Magnetic Stripe Reader, Snap-on, Ethernet Adapter, Snap-on, RS232/ DEX Adapter, Snap-on, USB Host/Client Adapter, Snap-on, Audio Jack/Rugged Power Adapter, Snap-on, Auto Adapter, Vehicle Dock, Holsters			
Regulatory Approvals/Compliance	Safety: cULus Listed, CDRH, D, CE, NOM • EMC: Class B - FCC/ICES/CE • Radio: FCC ID, Industry Canada TAC, CE0984, A-tick (AU), C-tick (NZ), NCC, OFTA, IDA • HAC: FCC • Others: HKSI, BSMI, ICASA, POSTEL, NTC, ETA, GOST, SIRIM, ANATEL, EU Directives -WEEE, RoHS, Batteries & Accumulators, Packaging & Waste Packaging			
Hazardous Location Certificate	ATEX Zone 2 •  II 3 G Ex ic IIC T4 •  II 3 D Ex ic D 22 T1 30°C • Ta -20°C ... +50°C			

For available standard ATEX Zone 2 configurations please get in contact with your local sales representative or visit www.ecom-ex.com.

In a continuing effort to improve our products, ecom instruments GmbH reserves the right to change specifications and features without prior notice.

ecom instruments GmbH

Industriestraße 2 · 97959 Assamstadt · Germany

Tel.: +49 (0) 62 94 / 42 24-0 · Fax: +49 (0) 62 94 / 42 24-100

E-Mail: sales@ecom-ex.com · www.ecom-ex.com

