



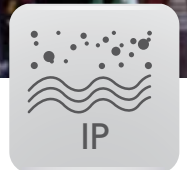
WWAN



Bluetooth



GPS



IP65

i.roc Ci70 -Ex

A new Paradigm in Intrinsically Safe Mobile Computing

The unique modular concept of the i.roc Ci70 -Ex provides multiple configuration options with state of the art technology for virtually every application in hazardous environments. In addition to ecom's unparalleled worldwide service support, customers benefit from the global certifications of this superior product solution.

- Powerful CPU performance together with an efficient battery that provides enough runtime for an entire shift
- Complete comprehensive wireless communication solution – WWAN (3G CDMA or UMTS), WLAN (IEEE 802.11 a/b/g/n) and Bluetooth 2.1 – allows for flexible data exchange even in areas with difficult reception conditions
- Ultra-robust keypad - available in numeric or alpha numeric - withstands wear and tear for more than 2 million keystrokes per key and ensures quick data entry with or without gloves
- Advanced barcode imaging technology - 1D laser scanner or 2D imager – enables quick scanning even under the harshest conditions
- Flexible, high performance data capturing via multiple RFID configurations (LF, HF or UHF) support any identification task required
- Brilliant 3.5 inch VGA display – highly durable and scratch-resistant Gorilla glass protection, even visible in any light conditions

**Technical Data**

Physical Characteristics	incl. battery weight approx. 900 grams (2 pounds) (standard configuration) 249 × 85 × 58 mm (9.8 × 3.3 × 2.3 inches)
Environmental	Operating Temperature -20 °C ... +50 °C (-4 °F ... +120 °F) Storage Temperature -20 °C ... +60 °C (-4 °F ... +140 °F) Drop Specifications 1.20 m (4 feet) according to MIL-STD-810G at -20 °C and +50 °C (-4 °F and +120 °F) Electrostatic Discharge +/- 8 KV contact discharge and +/- 15KV air discharge Rain and Dust Resistance IP 65
Power	Battery 3.7V, 4,000 mAh · IEEE 1725 compliant · Li-Ion · removable
Operating System	Windows Embedded Handheld 6.5.3
Processor	OMAP Multi Core Processor
Memory and Storage	512 MB RAM, 1 GB Flash Memory, Customer-accessible micro-SD slot for removable memory cards up to 32 GB
Display	3.5 inches, VGA (640 × 480 pixels), 65,536 colors, ambient light sensor, LED backlight, transmissive TFT-LCD touchscreen display, highly durable due to Gorilla glass
Interfaces	USB – Full Speed 2.0 Client · IrDA
Wireless LAN	IEEE 802.11 a/b/g/n · Data Rates 6, 9, 12, 18, 24, 36, 48 and 54 Mbps and MCS0-7 · Domestic Channels Frequencies 2412 - 2472, 2484, 5180, 5200, 5220, 5240, 5260 - 5320 MHz · IEEE 802.11d · Security: WPA2, WEP, TKIP, AES; Authentication OPEN, SHARED-KEY, PEAP (MS-CHAP V2, Generic Token Card (GTC), MD5), TLS, TTLS (PAP, CHAP, MS-CHAP, MS-CHAP V2, PAP/Token Card, EAP with GTC), LEAP, FAST · Cisco CCXv4 compliant
Wireless WAN	3G WWAN for voice and data communications: UMTS/HSDPA/HSUPA (14.4 Mbps D/L, 5.76 Mbps U/L peak); Frequencies 850, 900, 1800, 1900 MHz CDMA/EV-DO Rev A (3.1 Mbps D/L, 1.8 Mbps U/L peak); Frequencies: 800, 850, 1900, 2100 MHz GSM, GPRS, EDGE; Frequencies: 850, 900, 1800, 1900 MHz
Bluetooth	Class II, Version 2.1 + EDR · Operating Channels: 0 - 78 (2402 - 2480 MHz) · Data Rates 1, 2, 3 Mbps
GPS	gpsOne
Audio	Loudspeaker · wireless Bluetooth headset support · VOIP audio support via headset
Sensor Technology	Accelerometer: Enables automatic or application-specific features
Head Options	2D imager, 1D laser scanner, HF RFID, LF RFID, UHF RFID
Keyboard	Backlit numeric or alpha numeric · laser etched hard keycaps
Regulatory Approvals and Conformity	Safety: 60950-1 EMC: FCC, CE Laser: IEC/EN 60825-1 Class 2 Environmental: WEEE, RoHS Radio: FCC, CE Battery: UL 1642, IATA
ATEX	ATEX Gas (Zone 1) IIC T4, ATEX Dust (Zone 21) IIC IP 64 T 130°C, Ta -20° ... +50°C ATEX Gas (Zone 2) IIC T4, ATEX Dust (Zone 22) IIC IP 64 T 130°C, Ta -20° ... +50°C
IECEX	IECEX Gas (Zone 1) IIC T4, IECEX Dust (Zone 21) IIC IP 64 T 130°C, Ta -20° ... +50°C IECEX Gas (Zone 2) IIC T4, IECEX Dust (Zone 22) IIC IP 64 T 130°C, Ta -20° ... +50°C
NEC	Gas Class I Division 1 A,B,C,D T4 · Dust Class II Division 1 E,F,G T4 · Dust Class III Division 1 Gas Class I Division 2 A,B,C,D T4 · Dust Class II Division 2 E,F,G T4 · Dust Class III Division 2
	Other certifications on request