Motorola MC65 - Robust Dual-3.5G WAN Industry EDA

The MC65 is extremely handy and compact, it comes with a VGA-Touch-Display (3.5 inch), a powerful rechargeable battery (3600 mAh) and was designed for professional use (IP64) in *general cargo and freight transport*. It appeals by its comprehensive integrated functionalities.

YOUR ADVANTAGE

Multiple functions in a rugged, handy device - need for multiple devices eliminated

The robust EDA optionally offers all of the current connection standards in one device: UMTS/HSPA, GPRS/EDGE, WLAN, Bluetooth® and GPS. By this not only voice and data communication, but also navigation solutions can be covered by one device. No more need of using different devices.

Safe working hours every week by entering and processing almost every type of data on-site - fast and easy - starting from a single document up to hundreds of barcodes, an entire library of photographs or a signature. Activate and reactivate the MC65 in practically every mobile net in the world without the necessity to purchase network specific devices (GSM or CDMA).

The MC65 can be used in the most different fields. Besides its compact construction easy operation, high flexibility of the device and its light weight are characteristics, which enhance user acceptance.

Characteristics

- IP64 sets standards for robustness in its class
- Scanning of Barcodes with the integrated 2D-Imager
- Color photography with the integrated 3.2-Megapixel autofocus camera
- All current communication standards (HSPA, WLAN 802.11 a/b/g and Bluetooth® 2.1)
- Several keypad variations (numeric/alphanumeric) available
- Robustness: withstands drops from 1.80 m height on concrete
- GPS and interactive sensor technology for motion based applications

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Motorola MC65

Product Information - HARDWARE

ITEM NUMBERS

23-65-01-0AN	23-65-01-0N
Keyboard alphanumeric	Keyboard numeric
23-65-01-CAN	**23-65-01-CN**
Keyboard alphanumeric with camera	**Keyboard numeric with camera**

PROCESSOR AND MEMORY
- MSM Qualcomm 7627@ 600 MHz (Multi-Prozessor-Architecture)
- 256 MB RAM / 1 GB Flash
- MicroSD slot – for up to 32 GB

OPERATING SYSTEM
- Microsoft® Windows Mobile® 6.5 Professional

WIRELESS COMMUNICATION
WLAN/PAN Options
- Tri Mode IEEE® 802.11a/b/g
- Security: WPA2 (Personal or Enterprise); 802.1x; EAPTLS; TTLS (CHAP, MS-CHAP, MS-CHAPv2, PAP or MD5); PEAP (TLS, MSCHAPv2, EAP-GTC); LEAP, EAP-FAST (TLS, MS-CHAPv2, EAP-GTC)
- Voice-over-IP integrated, WLAN after IEEE 802.11b with Wi-FiTM- certification and DSSS, Wi-Fi MultimediaTM (WMM and WMM-PS) Motorola Voice Quality Manager (VQM), Motorola TEAM Express

WWAN Options
- Dual 3.5G: GSM HSPA/HSUPA and CDMA EVDO Rev A
- UMTS/HSDPA and HSUPA: 850, 1.900 and 2.100 MHz GSM/EDGE: 850, 900, 1.800 and 1.900 MHz CDMA/EVDO Rev A: 850 and 1.900 MHz

Global Positioning System
- Integrated independent or assisted GPS (A-GPS) with gpsOneXTRATM

BARCODE APPLICATIONS
- Highly performant 2D-Imager with the capabilities of a laser scanner

CAMERA
- Color, 3.2 Megapixel
- Autofocus with flash (user controllable)

USER INTERFACE
- 3.5" VGA color display (640 x 480) with touch-screen
- Analog-resistive glass touch screen
- Keypad: numeric, QWERTY, AZERTY, QWERTZ
- Notification by acustic signal and multi-colored LEDs
- Support of dual microphone with noise reduction; vibration alert; speaker; Bluetooth®-headset

EXTERNAL DOCKING PORT
- USB 2.0 High Speed (Host and Client)

POWER SUPPLY
- Lithium ion battery 2400 mAh at 3.7 V
- Typical standby time 100 hours
- Typical talk time 6 hours
- Internal Back-up battery: Li-Al-battery (rechargeable) 25 mAh 3.0 V

APPLICATION AREA
- Operating temperature: -10 to 50 °C
- Storage temperature: -40°C to +70°C
- Up to 95% (not condensing)
- Rain/Dust: IP64-sealed
- Survives several drops from 1.8 m height on concrete over the entire operating temperature range; complies with the effective MIL-STD-810G standard
- 1000 fall tests from 0.5 m height (equals 2000 drops) at room temperature; complies with and outreaches the effective IEC-standards for drop stability
- Vibration stability: 4Gs PK Sinus
- (5 Hz to 2 KHz); 0.04 g2/Hz coincidental (20 Hz to 2 KHz); duration: 60 minutes per axle, 3 axles
- Thermo shock: –40 to 70 °C in quick change
- ESD: Air discharge ±15 kV, direct discharge ±8 kV, indirect discharge ±8 kV

DIMENSIONS AND WEIGHT
- 162.2 mm x 77 mm x 33.5 mm
- 359 g (with rechargeable lithium ion battery)

INTERACTIVE SENSOR TECHNOLOGY FROM MOTOROLA
- Tri-axial accelerometer for motion sensor applications for dynamic screen adjustment and power monitoring
- Ambient light sensor for automatic adjustment of the display luminosity

ACCESSORIES
For the Motorola MC65 we offer a wide range of accessories, such as our vehicle MultiCradle, the expansion module transponder installation and much more.
Upon request we will send you our accessory information. Just contact us.