

WINDOWS EMBEDDED COMPACT

H-32

KRETZ

Rugged Mobile Device



Highlights

- Rugged mobile device that features an ergonomic design
- Windows Embedded Compact 7
- High speed 1D laser barcode scanner
- AM3354 ARM Cortex A8, 800 Mhz processor
- Memory: 256 MB NAND Flash, 256 MB RAM and user accessible Micros SDHC
- 2.8" transfective QVGA touchscreen display with white LED backlight, 240 x 320 pixels (portrait)
- Communication: USB - Micro USB OTG Version 2.0, Bluetooth - Version 2.1 + EDR and W-LAN - 802.11 a/b/g/n
- Enhanced 26 key numeric keyboard
- High capacity Lithium-Ion 3.7V 1800mAh battery
- Rugged: IP54 rating against dust and moisture, 5 foot drop to concrete
- Compact size: 2.55" x 5.74" x 1.06" (WxHxD), 6.9 ounces including battery
- Two year warranty

OPTICON

H-32

Product Specifications

OPERATION

CPU: AM3354 ARM Cortex A8, 800 MHz
OS: Windows Embedded Compact 7
SOFTWARE: Wordpad, Internet Explorer, Active Sync, Opticon scanner application, Upgradeable via integrated microSD card slot
RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

NAND FLASH: 256 MB
RAM: 256 MB mobile DDR2
EXPANSION: User accessible MicroSDHC

DISPLAY

TYPE: Transflective QVGA with touch panel, with white LED backlight
SIZE: 2.8 in, 240 x 320 pixels
MODE: Portrait

OPERATING INDICATORS

VISUAL: 2 LEDs (red/green scanning indication and charging indicator)
AUDIBLE: Vibrate, Speaker

OPERATING KEYS

ENTRY OPTIONS: 26 keys total, 12 key (alpha) numeric keypad, 4-way navigation keys, function key, backspace key, power key, enter key, alpha key, escape key, shift key, 3 scan keys,

COMMUNICATION

USB: Micro USB OTG, version 2.0
BLUETOOTH: Version 2.1 + EDR
W-LAN: 802.11 a/b/g/n; WEP, WPA, WPA2; WEP, TKIP, AES; Static (40 and 128 bit), PSK (Pre-Shared), Dynamic; EAP, PEAP, LEAP; Cisco CCX version 4
AUDIO: Speaker
EXTENSION: User accessible microSD I/O

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 1800mAh (sold separately)
BACKUP BATTERY: fixed rechargeable Lithium-Ion 15mAh
CHARGING METHOD: Through Micro USB cable (enclosed item) or cradle (sold separately)

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode
SCAN RATE: 100 scans/sec
READING PITCH ANGLE: -35° to 0°, 0° to +35°
READING SKEW ANGLE: -50° to -8°, +8° to +50°
READING TILT ANGLE: -20° to 0°, 0° to +20°
CURVATURE: R>15 (EAN8), R>20 (EAN13)
MINIMUM PCS VALUE: 0.45
DEPTH OF FIELD: At PCS 0.9, Code 39
 39 mil (1.0 mm) 2.76 - 25.59 in (70 - 650 mm)
 20 mil (0.5 mm) 1.97 - 16.54 in (50 - 420 mm)
 10 mil (0.25 mm) 1.97 - 10.24 in (50 - 260 mm)
 6 mil (0.15 mm) 1.97 - 5.91 in (50 - 150 mm)
 5 mil (0.127) 2.36 - 4.72 in (60 - 120 mm)

SUPPORTED SYMBOLOGIES

BARCODE (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, ISBN, Industrial 2of5, Interleaved 2of5, Matrix 2of5, MSI/Plessey, Telepen
BARCODE (2D): Composite Codes, MicroPDF417, PDF417
BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:
 Operation: 14 - 122°F (-10 - 50°C)
 Storage: -4 - 140 °F (-20 - 60°C)
HUMIDITY:
 Operation: 20% to 80% RH
 Storage: 20% to 90% RH
DROP TEST: 5 ft (1.5 m) drop onto concrete surface
PROTECTION RATE: IP 54

PHYSICAL

DIMENSIONS (WXHXD): 2.55 x 5.74 x 1.06 in (64.8 x 145.7 x 26.8 mm)
WEIGHT BODY: Ca. 6.9 oz (195 g) (incl. battery)
CASE: Black

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS, IEC 60825-1 Class 2, FDA CDRH Class II

ENCLOSED ITEMS

USB cable, Handstrap, Quick start guide, Stylus + cord

SOLD SEPARATELY

RECHARGEABLE BATTERY: 3.7V 1800mAh
CRD-32: Single USB/RS232 cradle, communication, charging
CRD-32-E5: Multi-cradle, 5 slots, Ethernet communication, charging
HOLSTER

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