

HANDHELD COMPUTER

LXtrEme™ MX3 Product Data Sheet

INDUSTRIAL ERGONOMICS

LXE's advanced new line of rugged handheld computers - the LXtrEme series - has been developed to meet the most demanding requirements for a broad array of wireless WAN, LAN and mobile computing applications. Designed to withstand repeated drops onto hard surfaces, and

tough enough to function in all kinds of extreme environments, these computers are lightweight and easy to use for long work shifts. The LXtrEme MX3 provides one of today's best solutions for use in industrial supply chain applications such as warehousing, distribution, transportation and container ports.

486 PC COMPATIBILITY

With a powerful 486 processor capable of running many advanced applications, the LXtrEme MX3 is PC compatible and

allows you to use standard DOS applications and existing software development tools to simplify your application development process, improving your time to market.

CONVENIENT HORIZONTAL FORM FACTOR

The MX3 horizontal form offers versatility and ease of use for wireless mobile applications. Large phosphorescent keys, arranged for maximum efficiency, are easy to

see in any light conditions. All keyboard configurations are specially coated to resist abrasion and damage from harsh chemicals.

FULL-SHIFT BATTERIES

A powerful Li-Ion battery pack with in-unit charging supports a full eight-hour shift of normal use of the MX3 and requires only three hours

for recharging. Should the need arise, the batteries can be easily swapped while maintaining data integrity.

FLEXIBLE DESIGN

The flexibility of the MX3 allows you to select a configuration to precisely meet your specific business needs. The MX3 can be handheld, worn on a belt, or mounted on a cart, pallet jack or similar vehicle. The mounting bracket lets you remove the computer as needed to go where

the work is. Integrated bar code reader, several keyboard/overlay combinations, 900 MHz or 2.4 GHz radios, batch or terminal emulation, PCMCIA expansion cards, infrared communications ports, connections for external scanners ... the choices are yours!

TECHNICAL SPECIFICATIONS

LXtrEme MX3 Handheld Computer

Processing & Memory

Intel® 486 SX ULP
4 MB Dynamic RAM
4 MB Flash
IBM PC-AT & DOS Compatible

Operating Systems & Emulations

Microsoft embedded DOS® 6.22
Phoenix PicoBIOS®
Emulations
ANSI, LDS, 3270, 5250, TN3270, TN5250

Keyboard

63 keys
ABCD or QWERTY keyboard options
(Coated for resistance to abrasion and chemicals)
Phosphorescent, backlit
101-key support (IBM compatible)
Emulation overlay options

Display

640 x 240 VGA LCD
16 grayscale
EL backlight
Transflective monochrome
Diagonal viewing area
5.92 in. (150.4mm)
0.22mm dot pitch
Touchscreen (optional)

Power Supply & Management

Li-Ion battery pack
8-hour battery life (with typical usage)
Backup battery with automatic charging
Main battery low warning
Active power management (configurable)

Interfaces

RS-232 serial (end cap options)
Infrared communications port (standard)
Beeper with adjustable volume control

Expansion

Two PCMCIA V.2.1 slots
Left socket - accepts Type I or II
Center socket - accepts Type I, II or III

Radio Card Support - PCMCIA¹

2.4 GHz DSSS (802.11b)
Up to 11 Mbps at 2.4 GHz
35 mW at 2.4 GHz
Internal antenna
2.4 GHz FHSS (OpenAir™)
1.6 Mbps at 2.4 GHz
100 mW at 2.4 GHz
Internal antenna
902-928 MHz FHSS
64 Kbps at 902 MHz
250 mW at 902 MHz
Internal antenna

Enclosure

Size
8 in. x 6 in. x 1.35 in.
203mm x 152mm x 34mm
Weight
30.8 ounces including
radio, battery and scanner

Environmental

Storage temperature range
-22°F to 158°F (-30°C to 70°C)
Operating temperature range
-4°F to 122°F (-20°C to 50°C)
Humidity (operating)
5% to 90% RH non-condensing at
104°F (40°C)
Drop specification
4-foot multiple drops to concrete
Ingress protection enclosure rating
IEC 529 compliant to IP 65
Sealed against water jet streams and dust
Compact end caps available for use in
ordinary locations
Vibration testing
Based on MIL STD 810D

Approvals

Emissions (EMI)
FCC Part 15 Subpart B, Class A
Industry Canada Class A
EN 55022:1998, (CISPR 22:1997) Class A
Immunity (EMC)
EN 55024:1998
Safety
UL 1950, CSA C22.2 No. 950, EN 60950,
IEC 950, CDRH: 21 CFR 1040.10 and
1040.11, EN 60825-1 and IEC 825-1
Radios separately approved to
FCC Part 15, Subpart C
FCC Part 2.1093
Industry Canada – RSS 210 and/or
RSS 139, RSS 102, and ETS 300 328

Bar Code Symbolologies

Code 39, Interleaved 2 of 5, Discrete 2 of 5
UPC-A, UPC-E, Code 128, Plessey, EAN-8
and EAN-13, Code 93 and Codabar

End Cap Options

End cap with 2 RS-232 serial ports
End cap with 1 RS-232 serial port
and integrated standard-range scanner

Accessories

6-unit battery charger
AC & DC adapters
2.4 and 900 MHz radio upgrade kits
SRAM and PC cards
Tethered scanners
Hand strap
Nylon hip flip with belt
Nylon case with shoulder strap
Nylon adjustable holster
Vehicle and tabletop charging
& communication cradles

1. Non-U.S. frequencies, data rates, and power levels vary by country.



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