

HANDHELD COMPUTER

LXtrEme™ MX1 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 to hard surfaces and tough enough to function in all kinds of

outdoor environments, yet still lightweight and easy to use for long work shifts. Convenient snap-off handles and well-designed carrying cases maximize flexibility of use for improved productivity. Take a good look at LXE's LXtrEme MX1, the first model of the series and you will find impressive answers to your toughest questions.

486 PC COMPATIBILITY

With a 486 processor and MS-DOS v6.22, the LXtrEme MX1 allows you to use standard DOS applications and familiar programming languages

such as "C++" to simplify your application development process, improve your time to market, and maximize your return on investment.

EASY TO USE KEYBOARD

The LXtrEme MX1 offers keyboard configurations and flexibility found in no other handheld computer. Options include a backlit numeric keyboard with large optimally-arranged keys and numeric-alpha

and alpha-numeric keyboard configurations with phosphorescent keys. In addition, all keyboard configurations are specially coated to resist abrasion and damage from harsh chemicals.

FULL-SHIFT BATTERIES

A powerful 1500 mAh NiMH battery supports a full eight-hour shift of normal use of the MX1 and requires only

3 hours for recharging. Should the need arise, the batteries can be easily swapped with data integrity maintained.

MODULAR DESIGN

No other handheld computer gives you as much flexibility. Interchangeable bar code readers, five different keyboard/overlay combinations, 900 MHz or 2.4 GHz radios, batch or terminal

emulation, PCMCIA expansion cards, infrared communication ports, handles, straps, cases, mounting brackets, connections for external scanners, printers... the choices are yours!

TECHNICAL SPECIFICATIONS

LXtrEme MX1 Handheld Computer

Processing & Memory

Intel® 486 SX
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

Configurations
32, 41 & 60 key options
Keyboards
Backlit numeric, phosphorescent alpha-numeric, phosphorescent numeric-alpha
(Coated for resistance to abrasion and chemicals)
101 key support (IBM compatible)
Emulation overlay options

Display

160 x 160 VGA LCD
16 gray scales
Transflective monochrome
Controllable backlight
3" (76mm) diagonal
0.33mm dot pitch
Touchscreen (optional)

Power Supply & Management

1500 mAh NiMH battery pack with in-unit charging
8 hour NiMH battery life (with typical use)
Backup battery with automatic charging
Main battery low warning
Active power management (configurable)

Interfaces

RS-232C serial (endcap option)
Infrared communications port (standard)
Beeper with adjustable volume control

Expansion

Two PCMCIA V.2.1 slots
Lower socket - accepts Type I or II
Upper 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

Radio Card Support - PCMCIA¹ (con't.)

902-928 MHz FHSS
64 Kbps at 902 MHz
250 mW at 902 MHz
Internal antenna

Enclosure

Size
9.3" x 2.87" x 1.6"
(236mm x 73mm x 41mm)
Weight
Basic batch configuration
21.25 oz. (602 g)
(base unit w/battery & plain end cap)
Fully integrated RF scanning configuration
27.05 oz. (767 g)
(base unit w/battery, radio, scanner and handle)

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 with standard endcaps
Sealed against water jet streams and dust
Compact endcaps 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, Industry Canada RSS 210 and RSS 139, 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

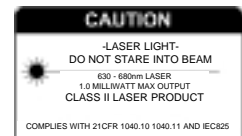
End Cap Options

Plain
Standard range scanner
Long-range scanner
High-visibility scanner
RS-232
Combination scanner & RS-232

Accessories

2.4 and 900 MHz radio upgrade kits
SRAM cards
Clip-on portable charger
6 unit battery charger
3 unit battery analyzer
Snap-on pistol grip handle
Nylon hand strap
Nylon holster with belt
Nylon case with shoulder strap
Docking or charging communicating cradle
Multi-dock cradle
Portable printer with docking cradle

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



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