

HANDHELD COMPUTER

LXtrEme™ MX2 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 and mobile computing.

LXE's LXtrEme MX2 provides open standards, powerful applications and ease of use to allow these portable data collection terminals to integrate seamlessly into the supply

chain systems of companies involved in logistics, manufacturing, retail warehousing and distribution. MX2 provides an ideal batch collection solution, and excels in data collection over wide on-campus areas where physical distances prohibit hard-wiring or when real-time information is critical. It offers a choice of PCMCIA card 2.4 GHz FHSS, or DSSS radios.

486 PC COMPATIBILITY

With an advanced 486-class processor capable of running many advanced applications, the LXtrEme MX2 is PC compatible. It allows you to use standard DOS applications

and existing software development tools to simplify your application development process and improve your time to market.

EASY TO USE KEYBOARD

The MX2 features a large graphic LCD display and 38-key alphanumeric keypads with single- and double-click alpha access, five dedicated, plus five shifted function keys, Western European

character support. The tactile response keypad is specially coated to resist abrasion and damage from harsh chemicals.

FULL-SHIFT BATTERIES

A powerful 850 mAh NiMH battery supports a full eight-hour shift of normal use of the MX2. Should the need arise, the batteries can be easily

swapped while maintaining data integrity with an internal rechargeable back-up battery.

MODULAR DESIGN

The MX2 has a sleek, IP54-rated, environmentally sealed case and built-in front-shooting laser. Included are 8 MB of RAM, 2 MB flash ROM, and an internal PCMCIA

card slot. The wireless terminal supports LXE's ANSI, IBM TN5250, and TN3270 terminal emulation software with panning support to a full virtual screen.



TECHNICAL SPECIFICATIONS

LXtrEme MX2 Handheld Computer

Processing & Memory

AMD ELAN® Am486™ SC400
8 MB Dynamic RAM
2 MB Flash

Operating Systems & Emulations

ROM-DOS 6.22
Emulations
ANSI, TN3270, TN5250

Keyboard

38-key alphanumeric keypad
Single- and double-click alpha access
5 dedicated function keys, 5 shifted
Western-European character support

Display

Super-twist graphics LCD
Backlight with programmable timeout
128 x 160 pixels plus 8 on-screen icons

Power Supply & Management

850 mAh NiMH battery pack
Lithium backup battery with automatic charging
Main battery low warning (display icon)
Sleep/off mode with programmable timeout

Interfaces

Infrared communications port (standard)
Speaker with adjustable volume control

Expansion

Internal PCMCIA Type I/II

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

Enclosure

Length 7.8 in. (198mm)
Width at display 3.4 in. (86mm)
Width at grip 2.5 in. (64mm)
Height at grip 1.4 in. (36mm)
Weight (includes battery pack)
No radio, no laser 11.5 oz (325g)
No radio, w/laser 11.7 oz (330g)
Radio, no laser 12.7 oz (360g)
Radio, w/laser 12.9 oz (365g)

Environmental

Operating temperature
-10°C to +50°C (+14°F to +122°F)
Storage temperature
-20°C to +70°C (-4°F to +158°F)
Humidity (operating)
5% to 95% RH non-condensing
Drop specification
4-foot multiple drops to concrete
Sealed to IP54
Chemical resistant

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
Laser
CDRH:21
CFR 1040.10 and 1040.11
EN 6825-1 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
ETS 300, 328

Bar Code Symbolologies

Auto discriminates between
all symbolologies listed

Ames
Codabar
Code 11
Code 39
Code 39 full ASCII
Code 93
Code 128
EAN-8/JAN-8
EAN-13/JAN-13
Interleaved 2 of 5
ISBN conversion
Label Codes 4/5
Matrix 2 of 5
MS1
Standard 2 of 5
UCC/EAN 128
UPC A/E
UPC/EAN/JAN extensions

Accessories

Dock, single-slot
Dock power supply (110V)
Dock power supply (220V)
Dock serial cable (9 PIN & 25 PIN)
NiMH battery
Single-slot battery charger (110V)
Single-slot battery charger with Europe (220V)
Single-slot battery charger with IEC 320 (220V)
Four-slot battery charger with PS, US cord
Four-slot battery charger with PS, Europe
Holster
Soft case
Holder, vehicle, non-powered
Configuration utility
Developer's tool kit
Universal program generator

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



An EMS Technologies Company

