

LECROY (TELEDYNE LECROY)

WaveSurfer 104MXs-A

The Teledyne LeCroy WaveSurfer 104MXs-A is a 1 GHz, 4-channel digital oscilloscope designed to streamline daily debug and testing tasks. Featuring a large 10.4-inch touchscreen display, 10 Mpts per channel memory depth, and a high-performance 5 GS/s sampling rate across all channels, it delivers exceptional processing speeds and seamless navigation. The MXs-A series integrates advanced analysis tools, including WaveStream fast viewing mode, WaveScan Search and Find, and standard LabNotebook documentation to maximize engineering productivity.

SPECIFICATIONS

General

Interfaces	LAN (10/100/1000Base-T), USB 2.0 (host/device), SVGA video output, GPIB (optional)
Display	10.4-inch color TFT-LCD touchscreen, SVGA (800 x 600) resolution

Physical

Power Supply	100 - 240 VAC ($\pm 10\%$) at 50/60 Hz, 100 - 120 VAC at 400 Hz; Max power consumption 340 VA
Operating Temperature	5 °C to 40 °C °C
Weight	7.26 kg kg

Vertical System

Analog Bandwidth (-3 dB)	1 GHz
Input Channels	4
Vertical Resolution (A/D Converter)	8-bit
Vertical Sensitivity Range (50 Ohm)	2 mV/div - 1 V/div
Vertical Sensitivity Range (1 MOhm)	2 mV/div - 10 V/div
Maximum Input Voltage (50 Ohm)	5 Vrms
Maximum Input Voltage (1 MOhm)	400 V max (DC + Peak AC $\leq$ 10 kHz)
Input Impedance	1 MOhm 16 pF or 50 Ohm
Input Coupling	GND, DC 1 MOhm, AC 1 MOhm, DC 50 Ohm
Hardware Bandwidth Limits	20 MHz, 200 MHz

Horizontal System & Acquisition

Maximum Sampling Rate (Single-Channel)	5 GS/s
Maximum Sampling Rate (Dual-Channel)	5 GS/s
Maximum Sampling Rate (All-Channels)	2.5 GS/s
Standard Memory Depth	10 Mpts/ch
Maximum Memory Depth (Interleaved)	20 Mpts
Timebase Range	200 ps/div - 1000 s/div

Trigger System

Trigger Modes	Auto, Normal, Single, Stop
Trigger Sources	Ch 1, Ch 2, Ch 3, Ch 4, EXT, EXT/10, Line
Trigger Coupling	DC, AC, HFRej, LFRej
Trigger Level Range (Internal)	±4.1 div from center
Trigger Level Range (External)	EXT: ±400 mV, EXT/10: ±4 V
Edge Trigger	Triggers on positive or negative slope

Display & User Interface

Display Type	Color TFT-LCD Touch Screen
Display Size (Diagonal)	10.4 inches
Display Resolution	800 x 600 (SVGA)

Connectivity & I/O Interfaces

LAN Port (RJ-45)	10/100/1000Base-T (Gigabit Ethernet)
USB Host Ports	USB 2.0 Host ports (front and rear)

Inputs & Outputs

Probe Interface	Teledyne LeCroy ProBus
-----------------	------------------------

Acquisition

Waveform Interpolation	Linear, Sin(x)/x
------------------------	------------------

TECHNOLOGY

Digital Storage Oscilloscope

APPLICATIONS

Embedded systems design, high-speed circuit debugging, power analysis, and serial data validation

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.