



# MEA2100-256

## High Definition MEA- Electrophysiology on glass

Part of the Multi Channel Systems 2100 amplifier suite, the MEA2100-256 is the ultimate solution for high-definition Micro-Electrode-Array recordings and transparent substrates. Profit from full optical access and flexible electrode geometry for highest experimental flexibility.

### Key Features

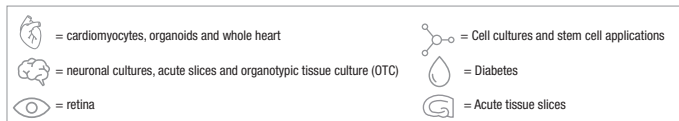
- Highest channel count for high density network information
- Full transparent Electrode-Array Chips for optical access
- In depth data analysis with cutting edge amplifier technology
- Integrated feedback stimulation for convenient modification of network dynamics

## Multiboot Interface Board

The Multiboot Interface Board facilitates operation of all MCS in vitro and in vivo headstages within the entire 2100 amplifier suite. This suite includes: MEA2100-Mini-60/120, MEA2100-256, MEA2100-lite, Multiwell-MEA, MEA Xpress, CMOS-MEA, Beta-Screen, W2100, ME2100. The modular 2100 amplifier solution suite design makes it easy to modify your lab equipment generally with modest hardware upgrade investments.



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## Specifications

Amplifier	
<b>Data resolution</b>	24 bit
<b>Number of recording channels</b>	256
Stimulus Generator	
<b>Current mode</b>	± 1 mA
<b>Voltage mode</b>	± 10 V
Data converter and USB interface	
<b>Sampling rate per channel</b>	up to 50 kHz