



The **Fusion double-sided neural probe** is a cutting-edge solution designed to meet the needs of advanced neuroscience research and applications. By integrating electrodes on both sides of a silicon substrate, the Fusion offers unparalleled versatility and precision in neural interfacing, enabling researchers to capture and stimulate neural activity with unprecedented accuracy.

Acute (stiff)



Chronic (flexible)



### Advantages

- Enhanced Coverage
- Compatible with more than 200 existing and customized probe designs
- Ultra-compact package for acute or chronic use
- Optimized data collection and stimulation
- Enhanced signal quality and resolution
- Easy integration

### Specifications

<b>Channel Count</b>	32, 64, 128
<b>Site Layout</b>	Linear, Poly, or Buzsaki
<b>Electrode Thickness</b>	30 $\mu$ m / 100 $\mu$ m
<b>Electrode Site Material</b>	Standard: Ir Custom: Pt, Au, Z-coat
<b>Shanks</b>	Quantity: 1-8 Length: 3-10 mm

### System Requirements

- NeuroNexus XDAQ/Smartbox Pro Systems
- Open-Ephys DAQ System
- Intan DAQ System
- Or most other DAQ systems

### Probe Package Options

- Cable or no cable (chronic and acute)
- Chronic cable length: 30 mm
- Compatible with implantable microdrives
- Compatible with NNx insertion assist devices



Contact us to become a beta-tester!

# F-SERIES PACKAGES

**F32**



**F64**



**F128**



**FH32**



**FH64**



**FH128**

