

Flexible, real-time, on-demand  
sequencing for your lab



**GridION**

“ [With the GridION] we can have more than one flow cell starting at a different time, running different samples, running the same sample and don't forget you can multiplex on them as well. ”

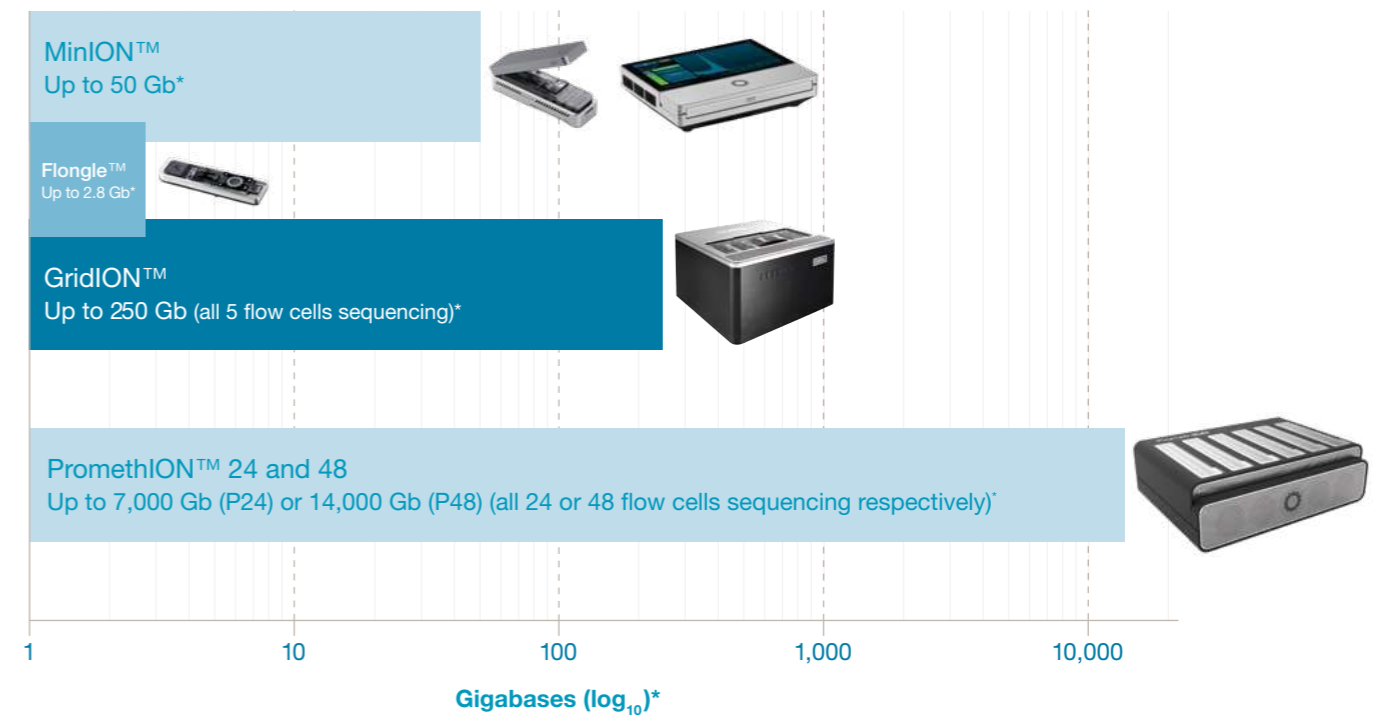
**Dr. Kim Judge**, Wellcome Sanger Institute

“ The GridION Mk1 from @nanopore is a breeze to install. It's about as plug and play as you can get with a piece of technology this advanced. ”

**James Ferguson**, Garvan Institute of Medical Research

GridION is a cost-effective and compact benchtop system offering on-demand sequencing with integrated real-time data processing

**With the capacity to run five flow cells either concurrently or individually, GridION provides busy labs and service providers with cost-efficient access to the advantages of long-read, real-time nanopore sequencing. Integrated, high-performance data processing alleviates the need for complex IT infrastructure.**



\* Theoretical max output when system is run for 72 hours (or 16 hours for Flongle) at 420 bases / second. Outputs may vary according to library type, run conditions, etc.

# Streamlined sample prep, on-demand sequencing, and real-time analysis for rapid access to insightful results



## Prepare

- Streamlined library preps — in as little as 10 minutes, with multiplexing options
- Scale according to your needs — same chemistry and kits used for Flongle, MinION, GridION, and PromethION
- Run smaller sequencing tests and experiments or cost-effectively check your sample quality using Flongle on GridION

## Sequence

- Sequence what you need, when you need it — no sample batching required
- Control each individual flow cell independently — run as many or as few as you wish at the same time, or add more whilst others are running
- GridION sequences DNA and RNA directly — meaning no amplification bias and retained modification (e.g. methylation) information

## Analyse

- High-performance data processing capability with integrated basecall accelerator delivers real-time local analysis with no burden on existing IT infrastructure
- Discover EPI2ME and EPI2ME Labs for streamlined, best practice analysis pipelines and tutorials
- Choose to output the raw signal, or basecalled .fastq files, so you can use your own custom analysis pipelines

## Applications include:

- Flexible sequencing of whole genomes, targeted regions, and full-length RNA transcripts — all on one device
- Long reads enhance analysis of repetitive regions, structural variation, phasing, metagenomics, and more
- Quantify and characterise RNA splice variants, isoforms, and fusion transcripts

[More information](#) [nanoporetech.com/applications](https://nanoporetech.com/applications)

# Choose your GridION Mk1 plan



	Starter Pack	CapEx*
GridION Mk1 device	1	1
Flow cells	60	-
Sequencing kits	10	-
Wash kits	5	-
Software licence and device warranty†	12 months	12 months
Remote Installation Assurance‡	Included	Included
	<b>\$49,955</b>	<b>\$69,955</b>

\* Device purchase.  
 † Extended warranties available.  
 ‡ A wide range of training and support services are available, visit [store.nanoporetech.com/services](http://store.nanoporetech.com/services) for more information.

Buy now [store.nanoporetech.com](http://store.nanoporetech.com)



Service provider certification is also available for the GridION.

# Supporting your research at every step

All GridION purchase plans include Remote Installation Assurance and expert support as standard — enabling easy device setup and complete optimisation of all your nanopore sequencing projects. Our technical specialists are available to answer all your questions on nanopore technology.

## Remote Installation Assurance

- Remote walk-through and an overview of nanopore sequencing with Q&A
- Remote installation and configuration assistance
- Remote platform QC check

## Expert support

- Access to Nanopore Community support features
- End-to-end online protocol builder
- Customer Services initial setup call
- Technical Support experimental setup call
- Live online chat with Technical Support
- Facility to book Technical Support sessions as required



# Training options to suit your laboratory's needs

	Rapid Start Day Training	Advanced Nanopore Training
Location*	Oxford Nanopore labs, your site, or online	Oxford Nanopore labs, your site, or online
Duration	1 day	2 days
Participants	Private session with up to 2 participants	Private session with up to 4 participants
Content	Bespoke to suit your needs	Bespoke to suit your needs
User-provided samples processed	1 sample	Multiple samples
Flow cells included	2	6
Kits included	1–2†	2
Data analysis	Basic	Advanced
	<b>\$6,000</b>	<b>\$15,000</b>

\* Third party reagents are provided only when training at Oxford Nanopore labs.  
 † Depending on application.

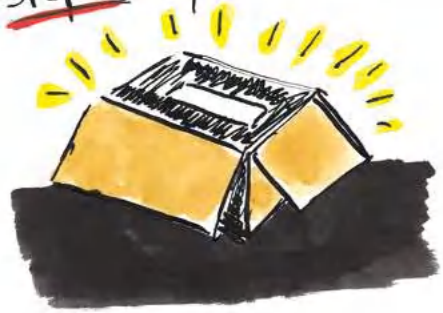
## Nanopore Workshops

Choose the Nanopore Introduction Workshop and/or Data Analysis Overview to learn the essentials of nanopore sequencing and data analysis — from \$750 per person.

More information [store.nanoporetech.com/services](https://store.nanoporetech.com/services)

## Simple plug-and-play setup

Step 1 Open the box



Step 2 Place CAREFULLY on desktop



Step 3 Put cable in the right holes...



Step 4 Turn it on!



Image courtesy of  
Dr. Alex Cagan  
Wellcome Sanger Institute

## Product specifications

### GridION Mk1\*

- Up to 5 individually addressable flow cells
- 1 min – 72 hour run time
- As much as 250 Gb<sup>†</sup> total yield across the device
- 2,560 channels across the device can be sequencing at once
- GPU-based compute enabling real-time basecalling alongside additional analysis provided by EPI2ME, EPI2ME Labs, or a wide range of community-developed tools

**Power requirements:** 650 W

**Storage:** 4 TB SSD

**Memory:** 64 GB RAM

**Weight:** 11 kg

**Dimensions:** W 370 mm, H 220 mm, D 365 mm

### GridION Flow Cells

Same flow cells as MinION device.

- 1 min – 72 hour run time
- Up to 50 Gb<sup>†</sup> per flow cell
- 512 channels

### Flongle

MinION/GridION flow cell adapter for more cost-effective sequencing of smaller tests and experiments.

- Up to 24 hour run time
- Up to 2.8 Gb<sup>†</sup>
- 126 channels

\* Standard computer monitor, keyboard, and mouse required.

† Theoretical max output when system is run for hours (or 16 hours for Flongle) at 420 bases / second. Outputs may vary according to library type, run conditions, etc.

Buy now [store.nanoporetech.com](https://store.nanoporetech.com)

Experiment 1  
Nada\_Mouse

Experiment 2  
Nada\_Mouse\_Seq...

Experiment 3  
Nada\_gDNA\_Mouse

GridION  
GXB07265

Connection  
10.32.32.1

Flow cell type ▾

FLO-MIN106 ▾

X3  
FAK07522

X4  
FAH90240

X5  
FAH86690

FLO-MIN106 ▾

Jump to run

Stop

81%

Jump to run

Stop

Available

Jump to run

Stop

46%

Jump to run

Stop

29%