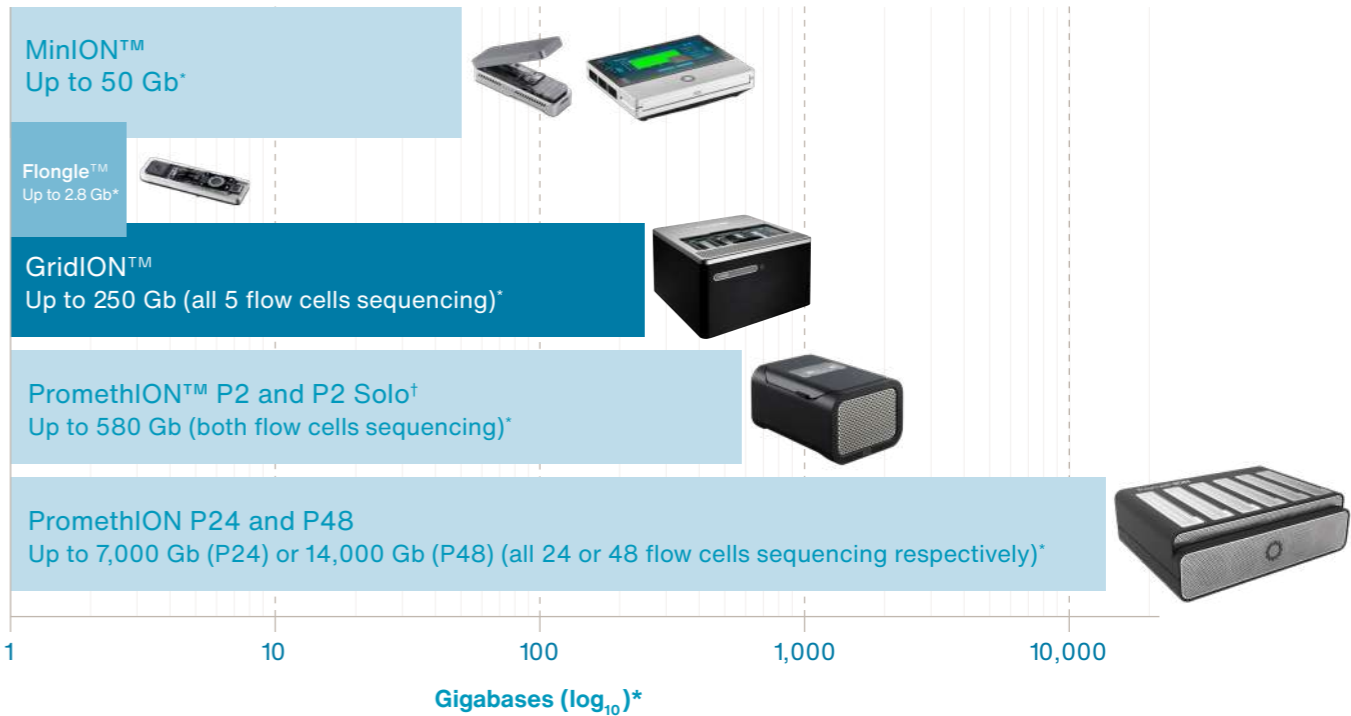


Flexible, real-time, on-demand  
sequencing for your lab



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

**With the capacity to run up to five MinION or Flongle Flow Cells (or combinations of each) and offering the facility to generate short to ultra-long reads, GridION provides busy labs and service providers with cost-efficient access to the advantages of real-time nanopore sequencing. Integrated, high-performance data processing alleviates the need for complex IT infrastructure.**



\* Theoretical max output (TMO). Assumes system is run for 72 hours (or 16 hours for Flongle) at 420 bases / second. Actual output varies according to library type, run conditions, etc. TMO noted may not be available for all applications or all chemistries.  
 † PromethION P2 and P2 Solo devices are currently available for preorder, with Early Access devices expected to ship in 2022.

“ [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

# 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](https://store.nanoporetech.com/services) for more information.

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



GridION Covid Starter Pack also available for simple, scalable, and rapid sequencing of SARS-CoV-2 samples.



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 scientists 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 hardware check

## Expert support

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



# Training options to suit your laboratory's needs

GridION Advanced Training is a comprehensive, personalised course for up to four attendees. An Oxford Nanopore expert will provide in-depth technology training with practical hands-on experience, running up to four of your own samples. The training will provide participants with the tools to successfully complete nanopore sequencing experiments on GridION devices.

	GridION Advanced Nanopore Training
Location*	Oxford Nanopore labs, your site, or online
Duration	2.5 days
Experimental design and QC	✓
Library preparation	1x control + up to 4 user samples
Flow cell priming and loading	✓
Configuring and running the GridION	✓
Introduction to basecalling, analysis tools, and resources	✓
Flow cells included	6
Kits included	2
* Third party reagents are provided only when training at Oxford Nanopore labs.	<b>\$15,000</b>

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

## 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

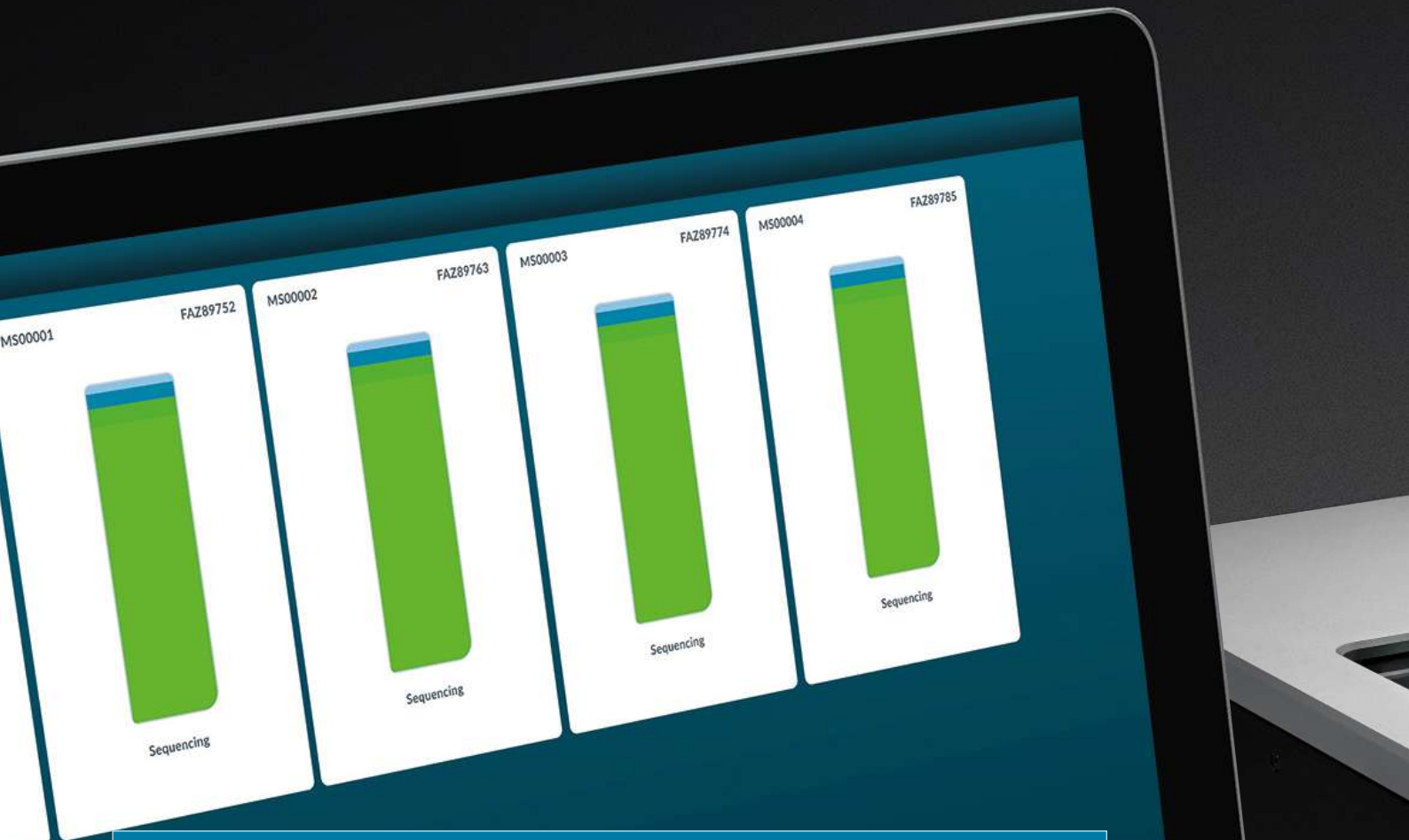
MinION/GridION flow cell adapter for more cost-effective sequencing of smaller tests and experiments.

- 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 (TMO). Assumes system is run for 72 hours (or 16 hours for Flongle) at 420 bases / second. Actual output varies according to library type, run conditions, etc. TMO noted may not be available for all applications or all chemistries.

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



**Oxford Nanopore Technologies**

Phone: +44 (0)845 034 7900

Email: [sales@nanoporetech.com](mailto:sales@nanoporetech.com)

Twitter: @nanopore

[www.nanoporetech.com](http://www.nanoporetech.com)

Oxford Nanopore Technologies, the Wheel icon, EPI2ME, Flongle, GridION, MinION, PromethION, and VolTRAX are registered trademarks of Oxford Nanopore Technologies plc in various countries. All other brands and names are the property of their respective owners. © 2022 Oxford Nanopore Technologies plc. All rights reserved. Oxford Nanopore Technologies products are not intended for use for health assessment or to diagnose, treat, mitigate, cure, or prevent any disease or condition.

BR\_1003(EN)\_V8\_01Mar2022