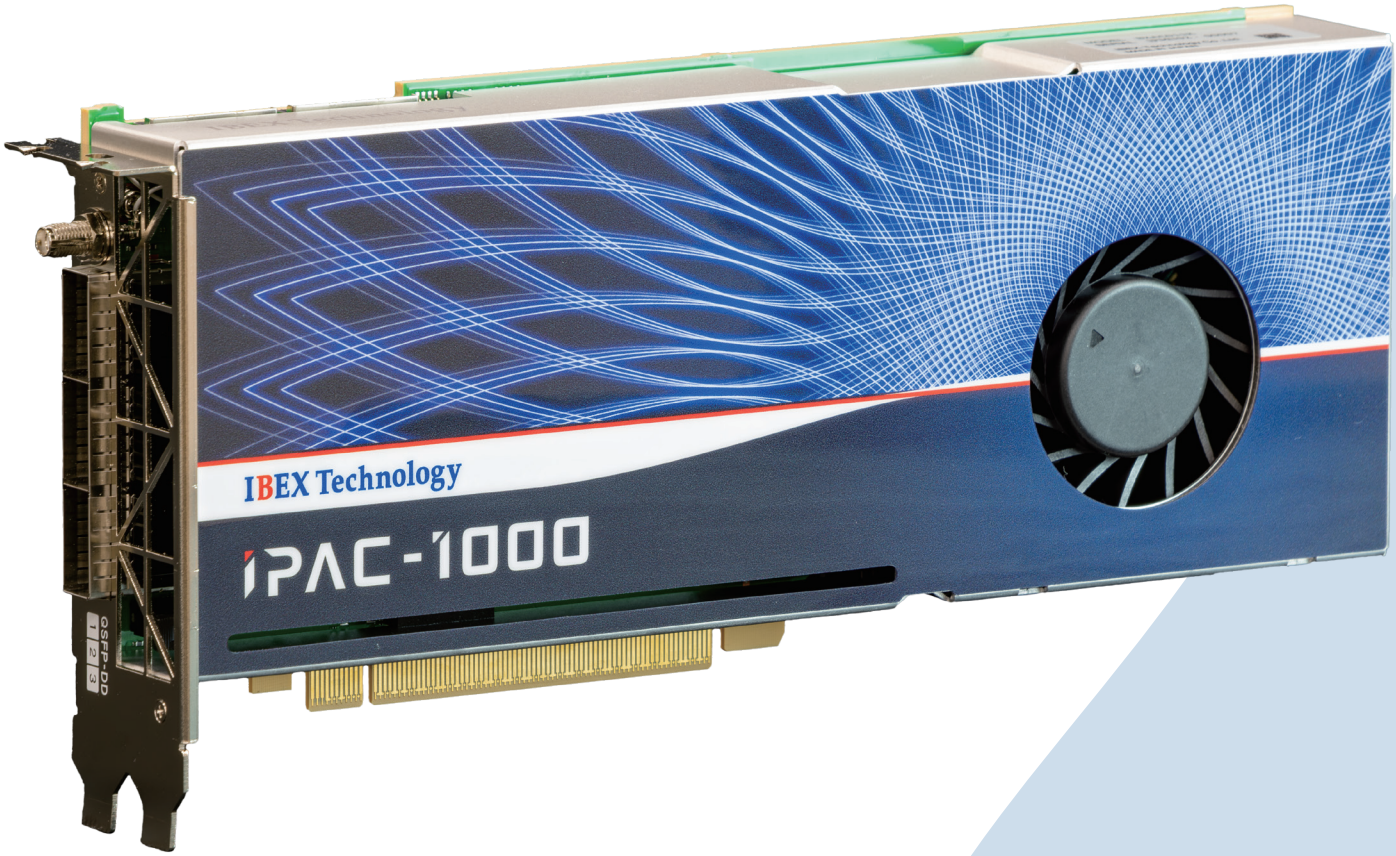
IPAC-1000

IBEX PCIe standard programmable Acceleration Card with an Agilex™ 7 FPGA M-Series



The IPAC-1000 is a programmable PCIe acceleration card powered by the Agilex™ 7 FPGA M-series. With its rich compute resources and ultra-wideband memory, it delivers exceptional performance for demanding workloads.

Designed, developed, and manufactured entirely in Japan, the IPAC-1000 offers the reliability and quality of domestic craftsmanship—along with responsive local support you can count on.It supports the Open FPGA Stack (OFS) and oneAPI, with integration and support provided by IBEX Technology, enabling fast development and deployment.

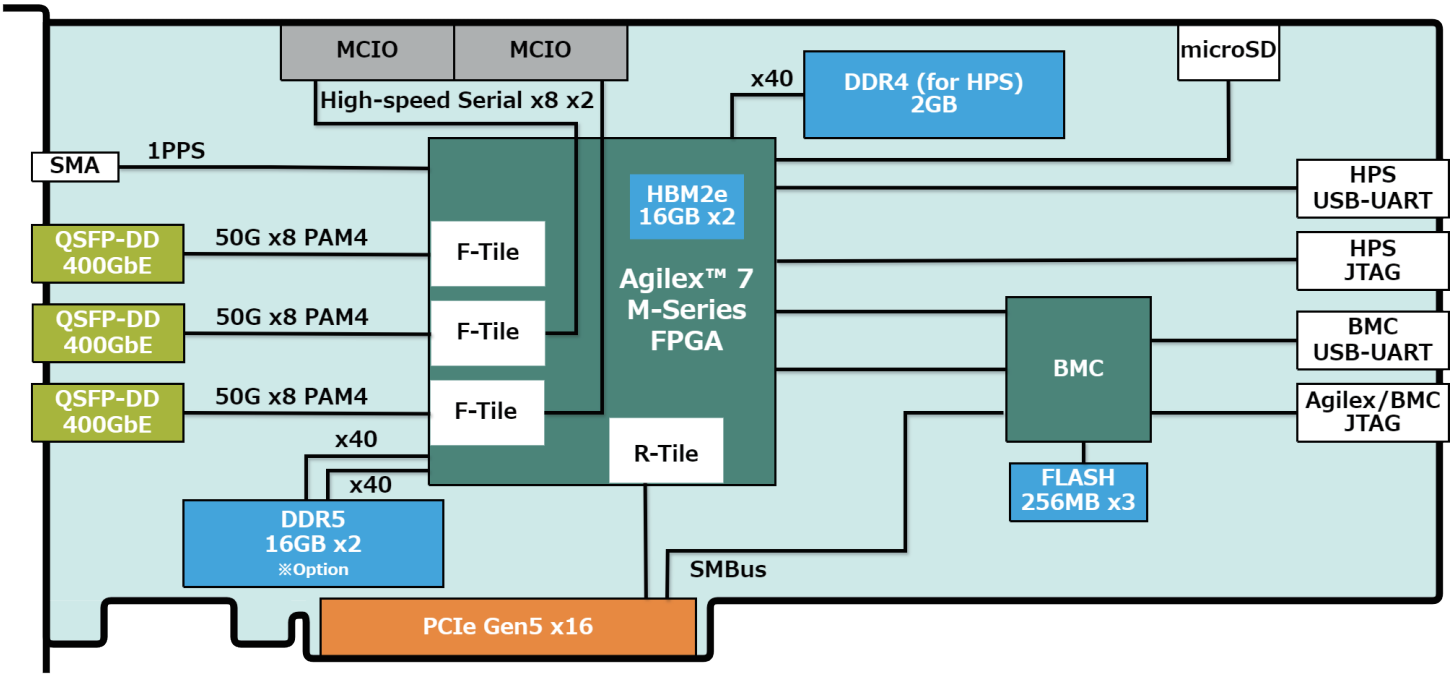
In practical use, the IPAC-1000 plays a key role in the research for fault-tolerant quantum computers, enabling low-latency, high-throughput quantum error correction.

IBEX Technology

10-1 Minami-Kurokawa, Asao-ku Kawasaki, Kanagawa 215-0034, Japan
TEL：+81-44-981-3453　Mail：ibex_sales@ibextech.jp　https://www.ibextech.jp

iPAC-1000

IBEX PCIe standard programmable Acceleration Card with an Agilex™ 7 FPGA M-Series



FPGA

- Agilex™ 7M-Series FPGA (AGMF039R47A2E2V)

On-board Memory

- HBM2e 32GB (FPGA internal)
- DDR5-4800 RDIMM 32GB ※Option
- DDR4-3200 2GB

Interface

- PCIe Gen5 x16
- 400G QSFP-DD x3
- 72pin MCIO x2
- microSD, MicroUSB, JTAG
- SMA

Form Factor

- Full height,3/4 length, dual slot

Power Supply

- 16-pin 12VHPWR connector

Development Environment

- Open FPGA Stack (OFS)
- oneAPI Base Toolkit

Maximum power consumption

- 250W

Cooling Options

- Built-in DC FAN or External Air Flow

The company names and product names mentioned are generally trademarks or registered trademarks of their respective owners.
Product specifications and appearance are subject to change without notice.

IBEX Technology

10-1 Minami-Kurokawa, Asao-ku Kawasaki, Kanagawa 215-0034, Japan
TEL：+81-44-981-3453　Mail：ibex_sales@ibextech.jp　https://www.ibextech.jp