

Booth No. 8.1B42-5



QSimPlus

Year Established	2021		Type of Business	Other (Quantum Technology)
Website	www.qsimplus.com/eng/	Main Export Countries	Canada, Europe, UK, USA	
SNS	https://www.linkedin.com/company/qsimplus/			
Main Customer	Domestic Customers		International Customers	
The Person In Charge	Name	Department	Position	
	Jina Choi	Strategic Planning team	Manager	
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Company Description

QSIMPLUS was founded in 2021 based on years of experience in quantum communication research and engineering skills. We are focusing on developing user-centric products to contribute to market activation and provide integrated solutions for building fiber-based, free-space and satellite quantum communications. We aim to build a quantum Internet beyond quantum communication.

Product

QSIMpro
Function and Usage :

- ▶ Definition : Software simulator for Quantum communication
- ▶ Description
QSIMpro cuts times and costs by removing the need for typically necessary hardware to create the quantum communication(QC) system. Users can implement and verify various QC systems through drag & drop methods of blocks that behave similar to hardware elements.
- ▶ Solutions
- Understanding the Basic Principles of Quantum Technology - Easy and convenient user-centric experience

Marketing and Selling Points : Quantum Communication(QC) technology achieves 100% security, but the development of QC only simulators is slow, time-consuming and expensive. QSIMpro has moved each element of hardware that makes up QC systems from an experimental table to a graphics-based simulator. It is the first graphics-based QC software simulator capable of configuring various QC systems. Unlike other simulators, QSIMpro does not require additional software or hardware, which considerably lowers the costs to develop. By providing easy access to QC technology with our simulator, it can be used for education for non-experts and as a development tool for experts.



QSIMpro-LAN
Function and Usage :

- ▶ Definition : Local area Quantum Network Control software
- ▶ Description :
QSIMpro-LAN extends the last mile of quantum communication, currently restricted by building-to-building communication, to the interior, allowing more users to easily and conveniently use quantum communication. Mobile nodes are introduced into indoor communication, which has been challenged by technical limitations of quantum communication, ensuring seamless communication by maintaining communication lines even in the face of obstacles.
- ▶ Solutions
- Indoor quantum communication monitoring - Extension of quantum communication's Last mile

Marketing and Selling Points : QSIMpro-LAN distinguishes itself with the introduction of MQCN (Mobile Quantum Communication Nodes) which is effectively reducing infrastructure expenses and resolving disconnection challenges due to obscured visibility. This groundbreaking approach allows for predictive infrastructure planning based on spatial requirements, simplifying network establishment. In contrast to conventional solutions, our innovation pioneers unexplored technology, reshaping the quantum communication landscape with unprecedented practicality. The software's user-friendly graphic interface streamlines system management, ensuring efficient utilization without quantum expertise. It meets the pressing need for secure communication in high-value sectors like defense, banking, and data centers.

