



*We are honored to work with QCT in building a smart factory for our parent company. This collaboration will serve as a cornerstone for our company, in building future 5G AIoT smart manufacturing solutions. We hope to transfer such successful experiences to other field sites, making us as a world-leading digital transformation service provider in the area of smart manufacturing.*

**General Manager, World's Leading Provider of Optoelectronic Solutions**



## QCT 5G x AI Dev. Kit

QCT 5G x AI Dev. Kit, developed on robust QuantaEdge servers, employs Intel® Xeon® Scalable processors and the Intel® Distribution of OpenVINO™ Toolkit to optimize AI workloads for defect detection.

This comprehensive toolkit is designed to support real-time high-resolution imaging and secure data handling, enabling rapid development and deployment of AI applications over 5G networks, while significantly reducing the 'proof of concept' phase from months to weeks for system integrators and enterprises.

Accelerating AI-enhanced Defect Detection in Manufacturing



## Key Features



Real-time Transmission



Enhanced Security



User-friendly Interface



Improved AI Inference



## Intel Products and Technologies

[Intel® Distribution of OpenVINO™ Toolkit](#)

[Intel® Xeon® Scalable Processors](#)

### Verticals

Manufacturing  
Systems Integration

### Learn more:

[The QCT Website](#)

### Country/Geo:

Global (US, EMEA, APAC-JP/KR),  
Taiwan, and ASEAN-Singapore

### Use Cases:

- Defect Detection
- Quality Control
- Predictive Maintenance