



WeLink Solutions, Inc.

Q7 module Eco System



Q7 module Key Features



Architecture Flexibility

Fully compatible with x86 and ARM platforms for diverse applications.

Compact & Efficient

Measures 70 x 70 mm with low power consumption, ideal for embedded systems.

Rich I/O Options

Supports USB, PCIe, SATA, HDMI, and more for seamless connectivity.

Industrial Reliability

Operates in -40°C to +85°C with guaranteed long-term supply.

Mitwell Q7 modules Eco system

X86 Module

NEW



ASL
MQ7-M31



ADL
MQ7-M21



EHL
MQ7-M109



APL
MQ7-M108



Brasewell
MQ7-M107

ARM Module

MTK



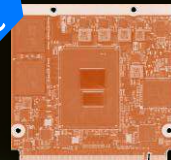
OSM to Qseven converter
MQ7-G510

MTK



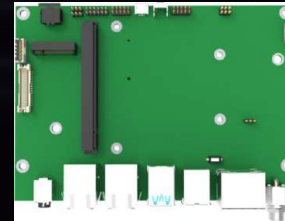
TBD
MQ7-G720

QC



TBD
MQ7-Q6490

EVK Carrier



3.5" Embedded Board
MQ7-C350

Q7 System



x86 Architecture

Evolving with Different Intel CPU Generation



Amston Lake
MQ7-M31



Alder Lake
WQ7-M21



Elkhart Lake
PQ7-M109



Apollo Lake
PQ7-M108



Braswell
PQ7-M107

ARM Architecture

Converting from OSM Module to Q7 Standard



ARM base
OSM module

+



OSM to Q7
Converter board

=



Genio 510
MQ7-G510



Genio 720
MQ7-G720

And so on..

MQ7-M31

Qseven® Module with Intel® Amston Lake family processor

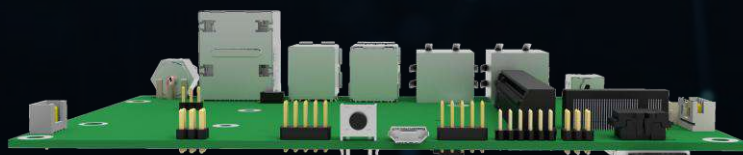
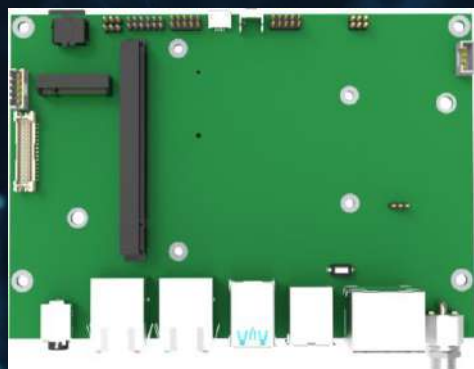
- Intel® Atom™ x7000RE® processors family
- Support 24-bit LVDS, HDMI/DP output
- Support Four PCI Express Gen3 lanes
- Support two USB 3.0, six USB 2.0
- Options for eMMC 5.1 storage



MQ7-M31
Amston Lake

Evaluation Kit

Dual-Platform Integration for 3.5" Q7 Carrier Board



- Dual-Platform Support x86 & ARM
- 3.5" Compact Size with Q7 standard carrier
- Wide Voltage Input & Versatile I/O
- Modular Design for Flexible Expansion
- Industrial-Grade Reliability for Harsh Environments

Q7 Fan Free Rugged system

Dual-Platform x86 & ARM supported



- **Fanless Design for Reliable Operation**
- **Rich I/O & Smart Edge Computing**
- **High Flexibility & Easy M.2 PCIe Expansion**
- **Wide Power Input & Temperature Range**
- **Rugged & IoT-Optimized Platform – A perfect match for IoT applications, featuring robust structure and expandable network gateway capabilities.**

Success story-1

- Kidney dialysis machine
- Project in USA
- Product: Alder lake / Apollo lake Q7 module
- Life time: medical long-term project for 5~7 years

Medical
Devices

ADL



Success story-2

- Factory automation control system
- Project in Europe
- Product: Amston lake Q7 module

Factory
Machine
ASL



Success story-3

- Digital signage application
- Project in Europe
- Product: Braswell Q7 module

Factory
Machine
Braswell





Connect WeLink Solutions Make Customers Success



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