

## AMC Edge SoM

# EP-200Q

*System-on-Module enabled by Qualcomm SoC QCS6490 for on-device AI*

## OVERVIEW

The EP-200Q, enabled by Qualcomm's SoC QCS6490, is an edge SoM that delivers a pre-validated QCS6490 subsystem. It is compact, versatile, and power efficient, with high-performance Wi-Fi 7. It can be seamlessly integrated with Silex's reliable Wi-Fi 7 driver for the SX-PCEBE, the industry's first Wi-Fi 7 PCIe + Bluetooth combo module powered by Qualcomm QCS2076.

## FEATURES & BENEFITS

- High-performance with low power consumption
- Qualcomm QCS6490 surface-mount SoM
- Smallest SoM form factor for the QCS6490
- The sole supplier of advanced Wi-Fi 7 connectivity for the QCS6490
- Enhanced reliability with Silex-optimized Wi-Fi drivers over a standard reference design
- Pre-validated SoC Wi-Fi integration simplifies and reduces time to market
- Features an octa-core CPU, Hexagon DSP, and 12-TOPS AI engine for power-optimized AI devices
- Long-term availability and support



## ALWAYS-ON CONNECTIVITY FOR EDGE AI



High-performance processors



Versatile interfaces



12-TOPS AI engine



Easy integration with leading-edge ultra-reliable Wi-Fi 7 connectivity

# USE CASES

*Designed for healthcare and industrial automation.*



Machine vision  
drones



Patient care  
assistant system



Machine vision  
robots



AI-powered  
handheld device



Surgical field  
video recording

## UNMATCHED SILEX SUPPORT

*Dedicated engineering resources that accelerate your time to market.*



Evaluation kit  
EP-200Q-EVK



Linux SDK  
Yocto package



Customer support  
collaterals &  
dedicated  
engineering support.



Qualcomm's  
longevity program &  
Silex's extended  
lifecycle support  
expertise.

Consult with us for custom carrier board design and manufacturing services.



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EP-200Q webpage

