



Manage devices with
Digi Remote Manager

DIGI CONNECTCORE VOICE CONTROL

Embedded voice control solution with speech recognition at the edge

Digi ConnectCore® Voice Control is a fully integrated and ready-to-use embedded speech recognition and voice control solution for any Digi ConnectCore enabled product. Digi ConnectCore Voice Control provides a pre-trained 60,000 word language model, customizable vocabulary, customizable wake word, and text-to-speech (TTS) output, enabling zero-touch user interaction with the device.

The speech-recognition technology of Digi ConnectCore Voice Control operates locally on the device at the edge and does not require an Internet connection. This makes it particularly suitable for applications that must function without Internet access, as well as applications that require real-time response to voice commands or have special data protection requirements.

It recognizes natural speech, comparable to cloud-based speech recognition services such as Amazon's Alexa or Google Speech-to-Text. Additionally, it is available in 30

national languages for global product deployment and enables semantic understanding of what is being said using the latest developments in machine learning and artificial intelligence technologies.

With cloud-independent functionality, Digi ConnectCore Voice Control provides real-time voice recognition capabilities from any location, and features privacy by design. Add text-to-speech synthesis into Digi ConnectCore devices with the embedded voice recognition software to enhance value and functionality in industrial IoT, medical, smart city and other applications. It does not require hardware-based AI/ML accelerators or a neural processing unit (NPU) to operate, enabling you to add voice-processing capabilities without additional hardware costs.

Make your device secure with built-in Digi TrustFence® security features and manage and update devices in the field with Digi Remote Manager®.

FEATURES AND BENEFITS

- Software kit for Digi ConnectCore SOMs
- Webtool to design and compile speech applications
- Embedded voice recognition at the edge
- Cloud-independent functionality
- Real-time capable (reaction < 100 ms)
- Privacy by design
- Text-To-Speech (TTS) synthesis
- Pre-trained 60,000 word language model
- 30 languages supported
- No NPU needed and no additional hardware costs
- Digi Remote Manager with OTA firmware updates
- Digi TrustFence security, identity and privacy
- Digi Embedded Yocto Linux® integration

DIGI CONNECTCORE VOICE CONTROL APPLICATIONS

- Smart cities, parking, vending, kiosks and terminals
- Industrial automation and human machine interface (HMI)
- Medical, clinical, operating room and healthcare devices
- Transportation, robotics, measurement and process control

VOICE CONTROL DEVELOPMENT KIT BASED ON DIGI CONNECTCORE 8M NANO DEVELOPMENT BOARD



PART NUMBERS

DIGI CONNECTCORE VOICE CONTROL

DIGI CONNECTCORE VOICE CONTROL SOFTWARE

SOFTWARE IMAGE DOWNLOAD

Get started at <https://www.digi.com/solutions/by-technology/voice-control>

PART NUMBERS

REQUIRED ACCESSORIES

DIGI CONNECTCORE DEVELOPMENT KIT

CC-WMX8MN-KIT

Digi ConnectCore 8M Nano Development Kit

PART NUMBERS

OPTIONAL ACCESSORIES

LCD APPLICATION KIT

CC-ACC-LCDH-10

LCD Application Kit, including 10 in WXGA (high resolution) LCD panel

FOR MORE INFORMATION
PLEASE VISIT [DIGI.COM](https://www.digi.com)



For more information about Digi ConnectCore Voice Control,
visit www.digi.com

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