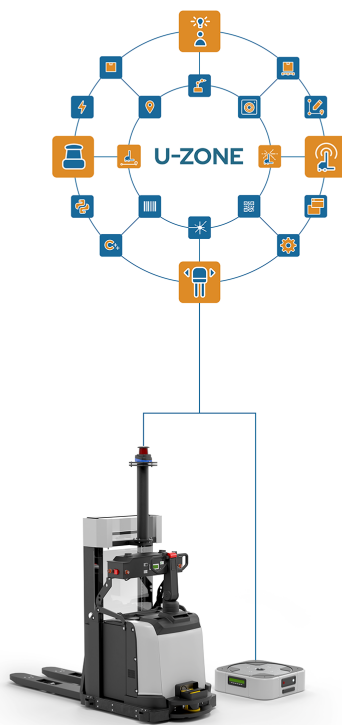


U - ZONE

A flexible solution to run customized applications in the vehicle controller

U-Zone enables the vehicle controller to run customized applications executed in parallel with NDC8. With U-Zone Software Development Kit (SDK), you can develop U-Zone applications in C/C++, and upload them to the vehicle controller via the controller's web interface.



Features

Develop and run customized applications in the vehicle controller, for example:

- Interfaces to communicate with external devices.
- Diagnostic applications.
- Improved load handling applications.

U-Zone SDK

- Application development in C/C++.
- Create unit tests for applications.
- Example project shows how to use VS Code to develop, build, test, and debug U-Zone applications.

New web interface with U-Zone support

- U-Zone interface to upload and monitor U-Zone applications.
- View CPU power and memory usage of U-Zone applications via Resource Monitor.

CVC700 software with U-Zone support

- U-Zone applications run in the vehicle controller.
- Support for reading and writing NDC8 variables.
- Support for subscribing to NDC8 variables.
- Debugging tool.
- SSH access as U-Zone user.

Order information	
Support for U-Zone	N8 42120-75
U-Zone SDK	46177

Requirements	
CVC700 HW	18456-01
CVC700 SW	46164-C (V1.2 or later)

Technical Information	
Memory/CPU (available in CVC700)	128 MB RAM 1 CPU core (i.MX6 800 MHz)
Requirements on development platform	AMD64 or Intel x64 - A Linux system running on this hardware identifies this as an x86_64 platform. A Linux environment, for example Ubuntu or WSL (Windows Subsystem for Linux) with zip installed.
Knowledge requirements	Linux , CMake, C/C++

Security

By default, the vehicle controller software uses a secure connection. For information about connection types, see the Product Description document for your vehicle controller software. If the connection type or application changes, the vehicle controller software can become less secure.

A poorly designed U-Zone application can introduce IT security risks.

The responsibility for security of U-Zone applications lies solely with the U-Zone developer.