# System Overview

# Tiger City IMX Industrial Computer with Linux OS

## Distribution

Custom Linux distribution based on the Yocto Project. Type `uname -a` to check installed version, kernel, etc.

## Supported languages

- English (US)
- English (GB)

## User utilities

### Text editor

The default available built-in text editor on the device is `vim`.

### Wi-Fi

The device is equipped with a Wi-Fi module and a NetworkManager library, which allows it to connect to nearby wireless networks.

#### How to enable and connect with WLAN:

1. Check the library status: `systemctl status NetworkManager`
2. If NetworkManager is disabled, type `systemctl start NetworkManager`
3. It is possible to enable it always with autostart: `systemctl enable NetworkManager`

4. Search available networks: `nmcli dev wifi list`
5. Connect with your chosen network: `nmcli dev wifi connect <name> password <password>`
6. Check your connection status with `nmcli connection show --active` or `ifconfig`

# System libraries

List of some commonly used available packages:

- Network Manager
- Modem Manager
- Chromium
- Gawk
- OpenCL
- Bzip2
- C++
- Python 3
- SQLite3
- OpenSSL
- Perl 5
- Curl
- Git
- Debuginfo
- glib
- i2c-tools
- GPIO mockup
- gthread
- iperf
- microhttpd
- rpmbuild
- SSL
- swupdate
- Wayland
- Weston
- XCB
- rpm-plugins
- sudo
- xtables

And much more. All the preinstalled system libraries can be found in `/usr/lib` directory.

User can install any other necessary libraries.

# Drivers

System drivers can be displayed using `lsmod` command.

---

Created 2024-04-10 14:13:14 UTC
Updated 2026-03-04 09:28:44 UTC by Michał Grabski