

## 1. HMI OS and Developer Suitability

### a. HMI Ubuntu Version

The HMI Ubuntu version has more library support. If there is any library (lib) missing in the development, the user can directly use the command to download the server.

In other words, the resources on the ubuntu network are very complete. Users can directly download development kits using apt-get and other instructions, and develop programs like android developers. Suitable for general developers.

However, this system requires more space and performance, and there will be a waste of performance and capacity when developing the product.

### b. HMI QT Version

The QT system only provides a minimum level of QT library (LIB), and the insufficient parts of the development must be cross-compiled and put into the HMI. In this way, the QT program can call the library and control hardware, which is suitable for users who have self-development capabilities. This system has a higher degree of freedom in development but is less convenient.

Product development can be closer to the needs of developers. Without being limited by the original system, it is possible to develop products that are low in cost but highly efficient.

