

1.4 Security Mode

1.4.1 Types of Security Modes

The following five types of security modes are available for YRC1000micro.

- Operation Mode
The operator can monitor the line operation and start and stop the manipulator. Repairs, etc. can be performed if any abnormalities are detected.
- Edit Mode
Teaching, robot jog operations, and editing of jobs and various condition files can be performed in addition to the operations enabled in the operation mode.
- Management Mode
The operator who performs setup and maintenance for the system can set the machine control parameter, set the time, change the password, etc. in addition to the operations enabled in the edit mode.
- Safety Mode
The operator who performs the safety management of the system can edit the files related to the safety function in addition to the operations enabled in the management mode. When the functional safety function (optional) is enabled, the security is changed to the safety mode in which files such as tool files can be edited. For the details of the safety mode, refer to “YRC1000micro OPTIONS INSTRUCTIONS FOR FUNCTIONAL SAFETY FUNCTION (HW1484544)”.
- One Time Manage Mode
Maintenance operations in a higher security mode than the management mode can be performed. The one time security code provided by YASKAWA is required.
Restriction of the loading of the batch data (CMOS.BIN)/parameter batch (ALL.PRM)/function definition parameter (FD.PRM) is released in addition to the operations enabled in the safety mode.

Any operation in the edit mode, the management mode, and the security mode requires a password.

In the edit mode and the management mode, the password must consist of 4 to 16 numbers or symbols.

In the safety mode, the password must consist of 9 to 16 numbers or symbols.