

Software version		Category		Description	Note
RC8 controller	WINCAPSIII				
1.1.2	3.41.0				
1.2.2	3.41.1	Function	Add	Correspond to XR robot-compatible Added models Added R-axis motion space setting	
		Function	Add	Added RC8Provider	
		Function	Add	Added area check function at start-up	
		Function	Add	Enabled to enter the license by Mini-pendant	
		PCS command	Change	Amended to be able to acquire Connected state by Comm.State.	
		PCS command	Change	Amended to be able to acquire the robot motion state by MotionState, Systate.	
1.3.6	3.42.0	Function	Add	Added Spline motion	
		Function	Add	Added Singular point avoidance function in manual mode	
		Function	Add	Added a function to search FIG value which achieves minimum displacement. (Fig--3)	
		Function	Add	Added Compliance function(sensor-less)	
		Function	Add	Added Detect function	
		PCS command	Add	Added Singular point avoidance command	
		PCS command	Add	Added positioning accuracy assignment of tool end function (@C option)	
		PCS command	Add	Added Static variables and Public variables	
		PCS command	Add	Added Mutex object (exclusion control)	
		PCS command	Change	Change ¥Operator	
		Function	Add	Correspond to EtherNet/IP adapter	
		Function	Add	Added I/O slave function	
		Function	Add	Added YAMAHA Single-axis Robots Controller Provider	
		Function	Add	Added YAMAHA Multi-axis Robots Controller Provider	
		Function	Add	Added CONTEC motion control board provider	
Function	Add	Added CONTEC DIO Board Provider			
Function	Add	Added CONTEC AIO Board Provider			
1.4.4	3.43.0	Function	Add	Added Collision detection function	
		Function	Add	Added the numerical display of I/O screen on the pendant.	
		Function	Change	Added vision provider of Omron and Cognex.	
		PCS command	Change	Correspond to Arrive command Spline motion	
		PCS command	Add	Added Join command	
		PCS command	Add	Added Split command	
		PCS command	Add	Added CurPathPoint command	
		PCS command	Add	Added Err.Raise command	
		PCS command	Add	Added WaitMotion command	
1.5.3	3.44.0	Function	Add	Added VS-6556/6577 robot series	
		Function	Add	Added Ambient temperature settings on the robot operation	
		Function	Add	Added Temperature drift offset function	
		Function	Add	Added Angular Trigger	
		Function	Add	Added extended-joint support function	
		Function	Add	Added MC8	
		Function	Add	Added conveyor tracking function	
		Function	Add	Support multiple-language (Dutch, Korean, Chinese)	
		Function	Add	Added WACOH 6-axis inner force sensor provider	
		Function	Add	Added b-CAP Slave function	
		Function	Add	Added FAN control function	
		Function	Add	Added IO Slave command	
		Function	Add	Added pass motion of position designation by the current position (encoder value)	
		Function	Add	Default priority of PCS was changed	
		Function	Add	Added EtherNet/IP communication header function	
PCS command	Add	Added message box command			
PCS command	Change	Change #include command. Wildcard (*?) became available.			
PCS command	Add	Added normalization function of the absolute path			
1.6.4	3.45.0	Function	Add	Added 6Axis Robots boundless rotation function	
		Function	Add	Correspond to Conveyor tracking and Omron encoder	
		Function	Add	Added normal vector calculation function	
		Function	Add	Path accuracy enhancement at high speed operation (for SCARA robots only)	
		Function	Add	Added the Compliance Function with Force Control Function	
		Function	Add	Added Sharp IV (the image processing device) provider	
		Function	Add	Support the Dialog output by using PrtMsg command	

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		Function	Add	Correspond to Variant type	
		Function	Add	Correspond to DeviceNet Master board	
		Function	Add	Correspond to PROFINET I/O Device	
		Function	Add	Correspond to 32-bit Error contents output	
		PCS command	Add	Added ReadByteArray, WriteByteArray, LenB command	
		Function	Add	Correspond to WINCAPSIII Simple position correction function: RC8 controller	
		Function	Add	Added WINCAPSIII Controller information: [Controller ID]	
		Function	Add	Support WINCAPSIII's individual data transmission of "Macro name" or "Application" that are stored in "variables" or "I/O".	
1.7.2	3.46.0	Function	Add	Correspond to RC Vision	
		Function	Add	Added External TCP Function	
		Function	Add	Correspond to Transfer Robot	
		PCS command	Add	Added buffer manipulation command for Conveyor tracking	
		Function	Add	Added judgement criteria of stop at @E and @C motion	
		Function	Change	Enhanced the singularity avoidance function	
		Function	Change	Changed the speed setting window	
1.8.6	3.47.0	Function	Add	Improved Area function (Capable of checking 32 areas within 2 milliseconds, Added DetectOn/DetectOff commands)	
		Function	Add	Correspond to new models for vision provider (FZ5, FH, CV, CVX)	
		Function	Add	Added Command Input Supporting Function	
		Function	Add	Added Lock Function	
		Function	Add	Added Call Stack Window	
		Function	Change	Integrated the control graph	
		Function	Add	Added EtherCAT Slave IO	
		Function	Add	Added CCLink Version2	
		Function	Add	Improved the speed of IORead	
		Function	Change	IO slave function was renamed to Command-slave and its functions were improved.	
		PCS command	Add	Added ForceSensorPayLoad, CurPayLoad, CurForceSensorPayLoad, CurSpeedMode, CurCPMode commands	
		PCS command	Add	Added Conveyor tracking, TrackMinimumIntervalLength commands	
		Function	Change	Increased the number of slave device controllable by conveyor tracking. (1 -> 3)	
		Function	Add	Added I/O Conversion Box	
		Function	Change	Changed the Compliance Function with Force Sensor <ul style="list-style-type: none"> • Setting of time period of Sensor time-out (Improved noise immunity). • Sensor data logging became available while the Force control is OFF. • Ramified error codes of the parameter error. 	
		Function	Add	Added WINCAPSIII Allocation of I/O Data: I/O Conversion Box	
Function	Add	Added WINCAPSIII Program Encryption, Lock Function			
1.9.6	3.48.0	Function	Change	Changed communication method between slave robots of conveyor tracking system	
		Function	Add	Added Cooperative Control Function	
		Function	Add	Added Built-in Vision multiple objects detection by CARD	
		Function	Change	Supported Variant variable monitoring by TP variable monitoring function	
		Function	Add	Optimized communication by QoS	
		Function	Add	Correspond to WINCAPSIII Cooperative Control Function: RC8 controller	
		Function	Add	WINCAPSIII program template (EVP)	
1.10.3	3.49.0	Function	Change	Conveyor tracking function. (enhanced tracking performance, added a long-shaped object tracking)	
		Function	Add	Added Matrox Robcom provider	
		Function	Add	Voltage output function in proportion to the TCP speed.	
		Function	Add	WINCAPSIII supports RC8 whose controller function is expanded.	
1.12.0	3.50.0	Function	Add	Added Virtual Fence, Exclusive Control	
		Function	Change	Conveyor tracking function. (enhanced tracking performance)	

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		Function	Change	Shortened the reset time of CurLmt command.	
		Function	Add	Added Modbus Provider	
		Function	Add	WINCAPSIII Virtual Fence, Exclusive Control	
		Function	Change	Improved PV provider (Calibration and Asynchronous command were added)	
		Function	Change	Improved EVP (Detection algorithm was added and other features were improved.)	
		Function	Change	Increased the number of conveyors available in Conveyor tracking.	
1.13.0	3.51.0	Function	Add	Added the Electric gripper control board for 2ch.	
		Function	Add	Improved the TP command input supporting function (current position input with immediate value)	
		Function	Add	Released the High precision control function-enabling parameters.	
		Function	Add	Added the all variable delete function (Delete All Variables).	
		Function	Change	Maintain the coordinate-related settings in the variable window after the rebooting.	
		Function	Change	Improved WINCAPSIII 3D data import functions.	
		Function	Change	Extended the WINCAPSIII export functions.	
		Function	Change	Added asynchronous commands in KEYENCE provider.	
2.0.0	3.52.0	Function	Add	Easy setting (Teach pendant)	
		Function	Add	Screen saver function	
		Function	Add	Added Keyence XG-X provider	
		Function	Add	Easy setting (WINCAPSIII)	
		Function	Change	License sharing between Cooperative control and Exclusive control functions	
		Function	Add	VF activation became available from PAC.	
		Function	Change	Improved Exclusive control function. (Area invasion judgment was improved).	
		Function	Change	Speed monitoring function (added monitoring points)	
		Function	Change	Expanded conveyor tracking-related commands (simplified the attitude change method)	
2.1.0	3.53.0	Function	Add	Correspond to MP of RemoteTP	
		Function	Change	Added command to Modbus provider.	
		Function	Add	Added Payload Estimation Function (for HSR robot only)	
		Function		Improved Emergency stop.	
		Function	Add	Added PAC command of Vibration control setting.	
		Function	Add	Added PAC command to check overlapped data in conveyor tracking.	
		Function	Add	Added IMAC LED provider.	
		Function	Add	Correspond to RC8A	
2.2.0	3.54.0	Function		Added Gravity Offset Compensation when adjusting air pressure balance of Z Balance	
		Function	Add	Added Selective Extended Joint	
		Function	Add	Added EtherCAT SlaveMotion	
		Pac command	Add	Added TrackMove S commands	
		Function	Add	Added MC8 Kinematics	
		Function	Add	Correspond to HSA-1	
		Function	Add	Supported Force Sensor to RS422	
		Function	Add	Correspond to SHARP IV Provider compatible models	
		Function	Add	Added the supported command for Keyence XG-X Provider	
		Function	Change	Improved the functions of WINCAPSIII Control Log/ Trace Log (correspond to simulating)	
2.3.0	3.55.0	Function	Add	Added Circular tracking	
		Pac command	Add	Added command of obtaining servo data at a time. (GetAllSrvData)	
		Pac command	Add	Added Pre-Check Command of VirtualFence. (Check Virtual Fence)	
		Function	Change	Payload Estimation Function: Supported VSA3	
		Function	Change	Vibration Control M: Supported VM, VS087	
		Function	Change	Improved Selective Extended Joint (Correspond to maximum of eight joints, MC8)	

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		Function	Change	Improved Cooperative Control Master. (Correspond to EtherCAT communication)	
		Function	Change	Force control sensor: Supported 4 Axis Robot	
		Pac command	Change	Added conveyor tracking function (TrackTargetPos, TrackBufferRead).	
		Function	Add	Added Asyrl provider	
		Function	Add	Added IO-Link provider	
		Function	Change	Panasonic PV Provider: Supported MyIP Option	
		Function	Add	Correspond to RCVision PickingAdjustment	
		Function	Change	Improved WINCAPSIII Editor function	
2.5.0	3.56.1	Function	Change	Added extended-joint tracking.	
		Function	Change	Cooperative control function with four robots	
		Function	Change	Added selective extended joint-supported devices (Panasonic, Delta)	
		Function	Change	Improved Command-Slave function	
		Function	Change	Added Force control function into cooperative control function	
		Function	Change	Revised Auto-acceleration function	
		Function	Add	Enabled to change the manual speed limit value	
		Function	Change	Revised MC8 kinematics configuration function	
		Function	Change	Added vision provider command (SHARP IV-300)	
		Function	Change	Added the motion range error check at the path point setting	
		Function	Change	Added the maximum mass of payload setting check function	
		Function	Change	Changed the stop method at the error occurrence	
		Pac command	Add	Added TrackAbsMove command	
		Function	Change	Revised the log reproduction function of WINCAPSIII	
Function	Change	Visualized WINCAPSIII safety parameter data			
2.5.2	3.56.4	Function	Add	Added dual arm control function	
2.7.0	3.57.0	Function	Add	Supported the combination use of the dual arm control function and the conveyor tracking function	
		Function	Add	Added selective extended joint-supported devices (HIWIN)	
		Function	Add	Supported the Homing function of the extended joint	
		Function	Add	Added arguments for the AddPathPoint command (Function modified so that tool definition and work definition are available as arguments.)	
		Function	Change	Modified the path point teaching function (At the path point teaching, the tool end can move to any point on the specified path)	
		Function	Change	Modified the collision detection function (Added the collision detection status display on the top window of teach pendant)	
		Function	Add	Added KEYENCE LJ-V7000 provider	
		Function	Change	Added IAI provider	
		Function	Add	Correspond to new models for CanonWebView provider (VB-M44,VB-H45)	
		Function	Change	Modified EVP (Modified GUI, supported COBOTTA Hand-eye camera)	
		Function	Add	WINCAPSIII tool: Added RC8 communication setting function	
		Function	Change	WINCAPSIII Modified so that WINCAPSIII displays two robots in the cooperative control/dual arm operation	
Function	Change	WINCAPSIII Modified the collision detection function			
2.8.0	3.58.0	Function	Add	Added the catch-up motion function with keeping the tool-end posture stable in the circular tracking operation.	
		Function	Change	Modified the tracking motion under the exclusive control-enabled state.	
		Function	Change	Modified CALSET window	
		Function	Change	Added KEYENCE CV provider commands.	
2.9.0	3.58.1	Function	Add	Control log and Servo log: Added the frequency display of the selected ranges.	
		Function	Add	WINCAPSIII: Added the confirmation message display when sending and receiving the safety-related parameters.	
2.10.0	3.59.0	Function	Add	Added DAI-ICHI SEIKO Torque Sensor ESTORQ provider.	
2.10.1	3.59.1	Pac command	Add	Added Pallet.CalcPosTurning command	
2.11.0	3.59.3	Function	Add	Added World coordinates setting.	

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		Function	Change	Changed the compliance function with force sensor. <ul style="list-style-type: none"> ▪ Added the supported force sensor (ATI Industrial Automation force sensor, SINTOKOGIO force sensor) ▪ Released the force sensor provider 	
		Function	Add	Supported HM clean (C5).	
		Function	Change	Changed sending/receiving the monitoring model data of the virtual fence/safety motion to the controller.	
		Function	Change	WINCAPSIII: Changed the base color of VP, VS ,VM robots.	
		Function	Add	Supported D-Carry.	
2.13.0	3.60.4	Function	Add	Added the rotation direction fixing option of Rotate command.	
		Function	Add	Added Master/Slave function.	
2.14.0	3.60.6	Function	Change	Modified TracmoveS command.	
		Function	Add	Added the Home Position Guidance RC8 version.	
2.15.0	3.61.0	Function	Add	Added the safety parameter ID display on the pendant when the safety motion specification is used.	
		Function	Change	Updated the WebView provider (Ver1.0.4).	
2.16.0	3.61.2	Function	Add	Added the function to change a login password.	
2.18.0	3.64.0	Function	Add	Added the LED lighting provider (OPPD 30E).	
2.19.0	3.64.2	Function	Add	Added Force Sensor Robust Compliance Control	

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