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| **GENERAL INFORMATION:** | |
| **SIMPLWINDOWS NAME:** | Qsys Core |
| **CATEGORY:** | Qsys |
| **VERSION:** | 4.1.0 |
| **SUMMARY:** | Multiple core modules can be used in the same program slot.  This module has a built in reconnect feature. |
| **GENERAL NOTES:** | N/A |
| **CRESTRON HARDWARE REQUIRED:** | 3 Series Processor or 4 Series Processor |
| **SETUP OF CRESTRON HARDWARE:** | TCP managed inside the module. |
| **VENDOR FIRMWARE:** | N/A |
| **VENDOR SETUP:** | N/A |

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| **CONTROL:** | | |
| **Initialize** | D | Pulse to Initialize connection to the Q-SYS Core. Pulse this after DeploymentHost, TestingHost, DeploymentMode, and UseExternalConnection have been set to their desired states. |
| **DeploymentHost** | S | IP Address or Hostname of the Q-SYS Core to connect to for Deployment. This value will be used when DeploymentMode is 1. |
| **[TestingHost]** | S | IP Address or Hostname of the Q-SYS Core to connect to for Testing. This value will be used when DeploymentMode is 0. |
| **DeploymentMode** | A | Specifies whether to use DeploymentHost or Testing Host.  1: DeploymentHost  0: TestingHost |
| **[Debug]** | A | Specifies the Debug level for the program  0: Disabled  1: Logging Enabled  2: Debug Enabled  3: All Enabled  Debug prints to Console Output. |
| **[UseExternalConnection]** | D | Raise to handle TCP connection outside of this module. |
| **[ExternalConnectionRx]** | S | Rx from the external TCP socket. |

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| **FEEDBACK:** | | |
| **[IsInitialized]** | D | Signal used to show if the Q-SYS Core has been initialized. |
| **[IsConnected]** | D | Signal used to show if the Q-SYS Core is communicating. |
| **[IsLoggedIn]** | D | Signal used to show if this module is logged in with the Q-SYS Core. |
| **[IsRedundant]** | D | Signal used to show if the Q-SYS Core is redundant. |
| **[IsEmulator]** | D | Signal used to show if the Q-SYS Core is connected to an emulated file. |
| **[DesignName]** | S | Signal used to show the current running design on the Q-SYS Core. |
| **[ExternalConnectionTx]** | S | Tx to the external TCP socket. |

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| **PARAMETERS:** | | |
| **CoreID** | S | Used to Address Core Module to Control Modules |
| **Username** | S | Username for the Core (if required) |
| **Password** | S | Password for the Core (if required) |
| **Port** | Dec | Default: 1710  Can be changed if doing port forwarding to get to a Q-SYS Core |

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| **TESTING:** | |
| **SAMPLE PROGRAM:** | 3-Series: 3 Series Test.smw  4-Series: 4 Series Test.smw |
| **REVISION HISTORY:** |  |