Partner: Silicon Core
Model: IQ7/IQ7E
Device Type: Display Control

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Silicon Core IQ7 v1.0.umc
CATEGORY:	Display Controller
VERSION:	1.0
SUMMARY:	This module provides the ability to set the brightness, gamma, and color temperature on the IQ7 via TCP/IP.
GENERAL NOTES:	This module will allows setting the Brightness, Gamma, and Color Temperature on the Silicon Core IQ7/IQ7E display controller.
CRESTRON HARDWARE REQUIRED:	2-Series Processor w/Ethernet port, 3-Series Processor w/Ethernet port.
SETUP OF CRESTRON HARDWARE:	TCP/IP Port 41794d is the default.
VENDOR FIRMWARE:	Check with vendor
VENDOR SETUP:	N/A
CABLE DIAGRAM:	N/A

CONTROL:

Connect	D	Set this high to establish connection to the device.
Disconnect	D	Set this high to disconnect from the device.
Off	D	Pulse to set the brightness to the value indicated in the **Off Brightness Value** parameter.
On	D	Pulse to return the brightness to the last set value before **Off** was triggered.
Set_Brightness	A	Directly set the Brightness value. Valid values: 0d to 256d.
Brightness_00 – Brightness_FF	D	Pulse to set the Brightness to the corresponding value.
Set_Gamma	A	Directly set the Gamma value. Valid values: 0d to 256d.

Gamma_00 – Gamma_FF	D	Pulse to set the Gamma to the corresponding value.
Set_Color_Temperature	D	Directly set the Color Temperature value. Valid values: 0d to 15d.
Color_Temperature_00 – Color_Temperature_0E	D	Pulse to set the Color Temperature to the corresponding value.
{{TCP/IP_Client_>>_Connect-F}}	D	Connect to "Connect-F" output from the TCP/IP client definition that will be communicating with the Silicon Core device.
{TCP/IP_Client_>>_Status}}	A	Connect to "status" output from the TCP/IP client definition that will be communicating with the Silicon Core device.
{TCP/IP_Client_>>_RX$}}	S	Connect to the "RX$" output from the TCP/IP client definition that will be communicating with the Silicon Core device.

FEEDBACK:

Connected	D	High to indicate the client is connected.
Current_Brightness	A	Indicates the current Brightness level. Valid values: 0d to 256d.
Current_Brightness_Is_00 – Current_Brightness_Is_FF	D	The corresponding digital will be high indicating the current Brightness level.
Current_Gamma	A	Indicates the current Gamma level. Valid values: 0d to 256d.
Current_Gamma_Is_00 – Current_Gamma_Is_FF	D	The corresponding digital will be high indicating the current Gamma level.
Current_Color_Temperature	A	Indicates the current Color Temperature level. Valid values: 0d to 15d.
Current_Color_Temperature_00 – Current_Color_Temperature_0E	D	Pulse to set the Color Temperature to the corresponding value.
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" input of the TCP/IP client definition that will be communicating with the Silicon Core device.
{{TX$_>>_TCP/IP_Client}}	S	To be connected to the "TX$" input of the TCP/IP client definition that will be communicating with the Silicon Core device.

PARAMETERS:

Off Brightness Value	A	Parameter to specify Brightness level when Off is triggered. The values range from 00d to 256d.

TESTING:

OPS:	2-Series: v4.008.0008 or later 3-Series: v1.009.0029 or later
SIMPL WINDOWS:	v4.02.38 or later
DEVICE DB:	v56.00.004.00 or later
CRES DB:	v45.00.002.00 or later
SYMBOL LIBRARY:	v892
SAMPLE PROGRAM:	2 Series: Silicon Core IQ7 v1.0.smw 3 Series: Silicon Core IQ7 v1.0.smw
REVISION HISTORY:	v1.0 – Initial Release