Partner: Samsung
Model: QN65Q6FNAF

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Samsung IP Display v1.1
CATEGORY:	Crestron Certified Drivers
VERSION:	1.1
VERSION DATE:	12/14/2018
DESCRIPTION:	Used to control a Samsung IP Display via Ethernet using a Crestron Certified Driver library
GENERAL NOTES:	This module was written to allow the user to connect and control the new Samsung IP displays. Minimum database required: Crestron Database: 68.06.001.00 Device Database: 94.00.001.00 The module references Crestron Certified Driver device types contained in the database and cannot work without them. The display also requires a minimum Software Version: T-KTM2AKUC-0920.90 , BT - S and Sub-micom Version: T-KTM2QINTV-0001_D in order to work correctly with a Crestron Control system To use, supply the module with the path to the library file. This module will handle the socket connection to the device internally.
CRESTRON HARDWARE REQUIRED:	3 Series Processor
TRANSPORTS SUPPORTED:	IP

CONTROL:

Load_Driver	D	Signal used to load the driver. Should be triggered after the IP address entry
IP_Address	S	Signal used to set the IP Address of the device being controlled
Port	A	Analog value used to specify the IP port being used. If unused then the port defined by the driver library will be used
PowerOn	D	Press to send the Power On command to the connected device
PowerOff	D	Press to send the Power Off command to the connected device
PowerToggle	D	Press to send the Power Toggle command to the connected device
SetWarmUpTime	A	Sets the Warm Up Time of the Display. If 0, the default value will be used

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SetCoolDownTime	A	Sets the Cool Down Time of the Display. If 0, the default value will be used
VolumeUp	D	Press and Hold to increment the Volume level commands sent to the device
VolumeDown	D	Press and Hold to decrement the Volume level commands sent to the device
SetVolume	A	Signal used to directly set the volume level of the connected device NOTE: On a system restart, the value on this input, will automatically be propagated to the output. So, this value on startup should reflect the desired default volume of the device.
MuteOn	D	Press to send the Mute On command to the connected device
MuteOff	D	Press to send the Mute Off command to the connected device
UpArrow	D	Press to send the Up Arrow command to the connected device
DownArrow	D	Press to send the Down Arrow command to the connected device
LeftArrow	D	Press to send the Left Arrow command to the connected device
RightArrow	D	Press to send the Right Arrow command to the connected device
Select	D	Press to send the Select command to the connected device
Exit	D	Press to send the Exit command to the connected device
Home	D	Press to send the Home command to the connected device
Menu	D	Press to send the Menu command to the connected device
YouTube	D	Press to send the YouTube command to the connected device
Netflix	D	Press to send the Netflix command to the connected device
Hulu	D	Press to send the Hulu command to the connected device
AmazonVideo	D	Press to send the AmazonVideo command to the connected device
ForwardScan	D	Press to send the Forward Scan command to the connected device
ReverseScan	D	Press to send the Reverse Scan command to the connected device
Play	D	Press to send the Play command to the connected device
Pause	D	Press to send the Pause command to the connected device
Stop	D	Press to send the Stop command to the connected device

ReturnCommand	D	Press to send the Return command to the connected device
SetInput	A	Signal used to directly set the Input value of the connected device
HDMI_1	D	Signal used to select the HDMI 1 Input
HDMI_2	D	Signal used to select the HDMI 2 Input
HDMI_3	D	Signal used to select the HDMI 3 Input
HDMI_4	D	Signal used to select the HDMI 4 Input
EnableLogging	D	Press and Hold to enable logging
EnableTxDebug	D	Press and Hold to enable Tx debug from the connected device
EnableRxDebug	D	Press and Hold to enable Rx debug from the connected device

FEEDBACK:

DriverLoaded	D	Signal used to indicate that the driver has been loaded
CurrentPort	A	Signal used to indicate the port number being used by the driver
Power_F	D	Signal used to indicate that the connected device is Powered On
WarmingUp	D	Signal used to indicate that the connected device is Warming Up
CoolingDown	D	Signal used to indicate that the connected device is Cooling Down
WarmUpTimeValue	A	Signal to display the Warm Up Time value
CoolDownTimeValue	A	Signal to display the Cool Down Time value
Volume_F	A	Signal used to indicate the current Volume level
Mute_F	D	Signal used to indicate if the device audio is Muted
HDMI_1_Selected	D	Signal used to indicate that HDMI 1 is Selected
HDMI_2_Selected	D	Signal used to indicate that HDMI 2 is Selected
HDMI_3_Selected	D	Signal used to indicate that HDMI 3 is Selected
HDMI_4_Selected	D	Signal used to indicate that HDMI 4 is Selected
Log	S	Signal used to output the current driver Log when Logging is Enabled

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PARAMETERS:

UniqueID	S	A unique name for this device module.
Dll_Path	S	String Path to the driver file copied to the processor(Required)
MAC_Address	S	MAC Address of the display in AA:BB:CC:DD:EE:FF Format

TESTING:

OPS USED FOR TESTING:	RMC3_1.503.0026
SIMPL WINDOWS USED FOR TESTING:	4.09.04.01
DEVICE DB USED FOR TESTING:	94.00.001.00
CRES DB USED FOR TESTING:	68.06.001.00
SYMBOL LIBRARY USED FOR TESTING:	1060
SAMPLE PROGRAM:	Samsung IP Demo v1.1.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Obfuscated simpl# dll

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