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Crestron Electronics Inc.   www.crestron.com

DRAWN BY	APPROVED BY	SHEET DATE	FAMILY ID	BOM ID	SYSTEM ID
TN	YP	11/7/24	5000969	N/A	5000970

PROJECT Function Applications

TITLE *DGE-1000*

FA1

Master Bathroom

GUI onto (standard) large touch display
View HDMI content on (standard) large touch display
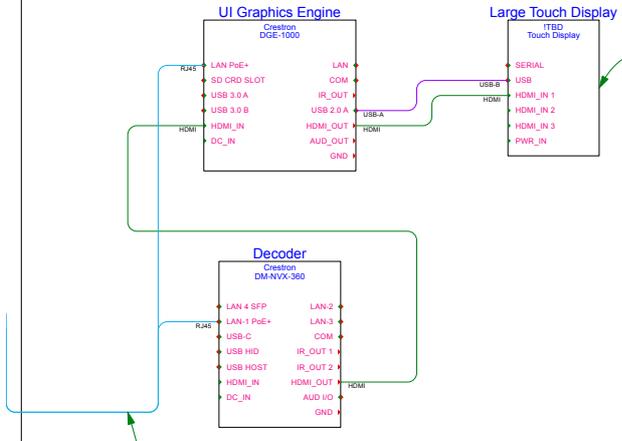
UI Graphics Engine
Crestron
DGE-1000

LAN PoE+	LAN
SD CRD SLOT	COM
USB 3.0 A	IR_OUT
USB 3.0 B	USB 2.0 A
HDMI_IN	HDMI_OUT
DC_IN	AUD_OUT
	GND

RJ45, HDMI, USB-A

Large Touch Display
!TBD
Touch Display

| |
|---|
| SERIAL |
| USB |
| HDMI_IN 1 |
| HDMI_IN 2 |
| HDMI_IN 3 |
| PWR_IN |

USB-B, HDMI

Large touch display modes:
1. Control GUI (Touch Screen for system control)
2. GUI + Security camera stream (Control gate, front door while viewing security cameras)
3. GUI + HDMI Content (Home AV sources over NVX system)

Decoder
Crestron
DM-NVX-360

LAN 4 SFP	LAN-2
LAN-1 PoE+	LAN-3
USB-C	COM
USB HID	IR_OUT 1
USB HOST	IR_OUT 2
HDMI_IN	HDMI_OUT
DC_IN	AUD I/O
	GND

RJ45, HDMI

To AV Network Switch (Control Processor, AV source content via NVX Encoder(s)

Kitchen

GUI onto (standard) large touch display
View HDMI content on (standard) large touch display
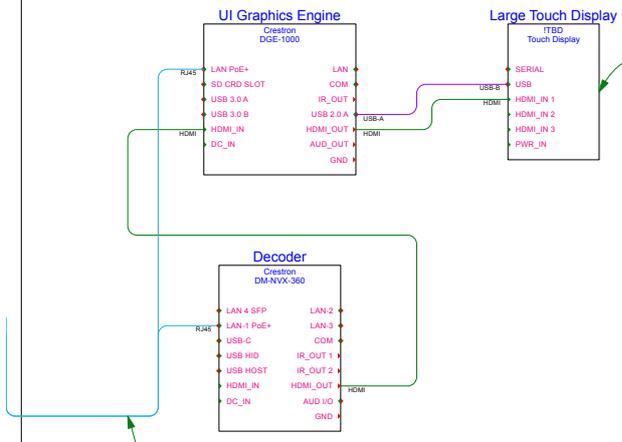
UI Graphics Engine
Crestron
DGE-1000

LAN PoE+	LAN
SD CRD SLOT	COM
USB 3.0 A	IR_OUT
USB 3.0 B	USB 2.0 A
HDMI_IN	HDMI_OUT
DC_IN	AUD_OUT
	GND

RJ45, HDMI, USB-A

Large Touch Display
!TBD
Touch Display

| |
|---|
| SERIAL |
| USB |
| HDMI_IN 1 |
| HDMI_IN 2 |
| HDMI_IN 3 |
| PWR_IN |

USB-B, HDMI

Large touch display modes:
1. Control GUI (Touch Screen for system control)
2. GUI + Security camera stream (Control gate, front door while viewing security cameras)
3. GUI + HDMI Content (Home AV sources over NVX system)

Decoder
Crestron
DM-NVX-360

LAN 4 SFP	LAN-2
LAN-1 PoE+	LAN-3
USB-C	COM
USB HID	IR_OUT 1
USB HOST	IR_OUT 2
HDMI_IN	HDMI_OUT
DC_IN	AUD I/O
	GND

RJ45, HDMI

To AV Network Switch (Control Processor, AV source content via NVX Encoder(s)

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PROJECT	
Function Applications	
TITLE	
DGE-1000	**FA2**

DRAWN BY	APPROVED BY	SHEET DATE	FAMILY ID	BOM ID	SYSTEM ID
TN	YP	11/7/24	5000969	N/A	5000970

Active Learning Space

GUI onto (standard) large touch display
View HDMI content on (standard) large touch display

UI Graphics Engine
Crestron
DGE-1000

RJ45

LAN PoE+	LAN
SD CRD SLOT	COM
USB 3.0 A	IR_OUT
USB 3.0 B	USB 2.0 A
HDMI_IN	HDMI_OUT
DC_IN	AUD_OUT
	GND

Large Touch Display
ITBD
Touch Display

SERIAL
USB
HDMI_IN 1
HDMI_IN 2
HDMI_IN 3
PWR_IN

USB-B
HDMI
USB-A
HDMI
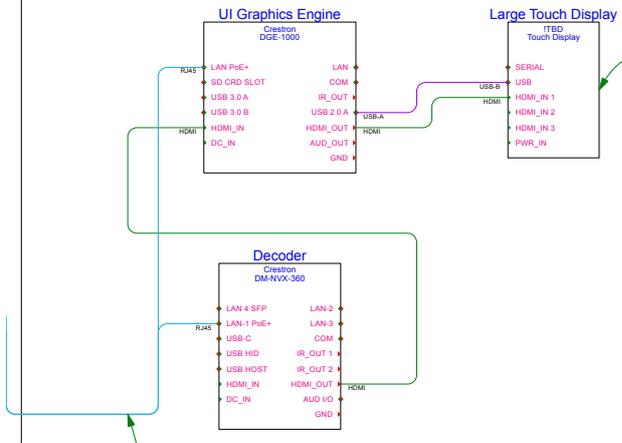
Large touch display modes:
1. Control GUI (Touch Screen for system control)
2. GUI + Video Stream (view web camera, campus video, weather, etc.)
3. GUI + HDMI Content video window (preview HDMI content prior to routing to main display)

Decoder
Crestron
DM-NVX-360

RJ45

LAN 4 SFP	LAN-2
LAN-1 PoE+	LAN-3
USB-C	COM
USB HID	IR_OUT 1
USB HOST	IR_OUT 2
HDMI_IN	HDMI_OUT
DC_IN	AUD I/O
	GND

HDMI

To AV Network Switch (Control Processor, AV source content via NVX Encoder(s)

Digital Signage + User Interaction

Custom Graphics HDMI output to Display + User interaction via touch display

UI Graphics Engine
Crestron
DGE-1000

RJ45

LAN PoE+	LAN
SD CRD SLOT	COM
USB 3.0 A	IR_OUT
USB 3.0 B	USB 2.0 A
HDMI_IN	HDMI_OUT
DC_IN	AUD_OUT
	GND

TBLK
USB-A
HDMI

Large Touch Display
ITBD
Touch Display

| |
|---|
| SERIAL |
| USB |
| HDMI_IN 1 |
| HDMI_IN 2 |
| HDMI_IN 3 |
| PWR_IN |

DB9F
USB-B
HDMI
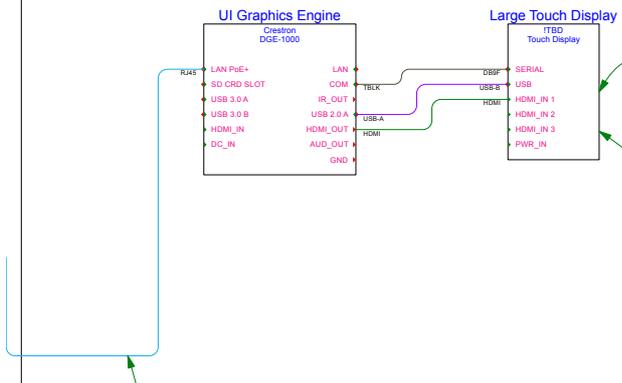
Display of custom graphics + user interaction via touch interface

Display controlled by control system via graphics engine integrated serial control port

To AV Network Switch (Control Processor, Streaming Video source)

Digital Signage

Custom Graphics HDMI output to Display

UI Graphics Engine
Crestron
DGE-1000

RJ45

LAN PoE+	LAN
SD CRD SLOT	COM
USB 3.0 A	IR_OUT
USB 3.0 B	USB 2.0 A
HDMI_IN	HDMI_OUT
DC_IN	AUD_OUT
	GND

TBLK
HDMI

Large Touch Display
ITBD
Touch Display

SERIAL
USB
HDMI_IN 1
HDMI_IN 2
HDMI_IN 3
PWR_IN

DB9F
HDMI
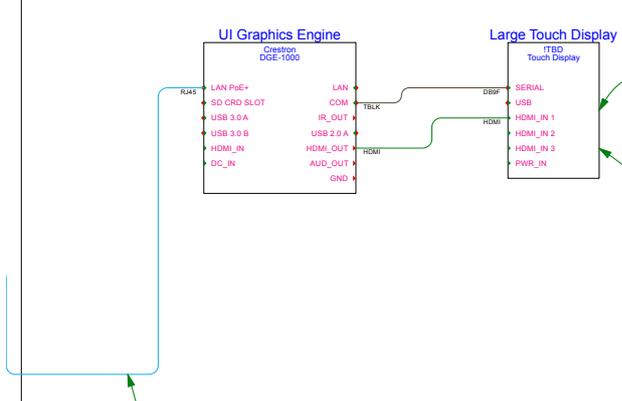
Display of custom graphics

Display controlled by control system via graphics engine integrated serial control port

To AV Network Switch (Control Processor, Streaming Video source)