SIEMENS

APOGEE / DESIGO™ PX-HMI

HMI-Touch 10.1" Panel   LUI-Touch


Description

LUI-Touch touch panel is an HMI with high performance and programmable functions to answer the needs for most of the BMS BACnet IP and MS/TP automation stations and systems.

With 16:9 a wide and colorful high resolution screen, there is no compromise with its' response speed. The state-of-the-art industrial standard design makes LUI-Touch to easily handle harsh environments under long and steady operation time.

Features

- ➢ Supports SIEMENS APGOEE and DESGIO BACnet IP and MS/TP platform, also could be connection with BACnet LON via DESIGO PXG80-N BACnet Router.
- ➢ One million touch operated guaranteed.
- ➢ Multilingual supported, such as English, French, Germany, Italian, Espaniol, Traditional/Simplified Chinese, Japanese, Korean….etc

- ➢ Macro Programme:
  - ■ Easy macro syntax genie supports you to design your control logic between HMI and communication device.
  - ■ More function types of macro definition for startup, main, event, time, point on/off and page on/off to selection

- ➢ Alarm:
  - ■ Provide alarm definition in LUI-Touch that include history alarms, on-line alarms and PopUp alarm massage.
  - ■ Totally 8 level alarm colur defined.
  - ■ Totally 16 zone alarm define and spearted for digital and analog alarm, analog alarm can be set of Hi/Hi-Hi and Low/Low-Low level indication.
  - ■ Standard alarm list page for on-line and history.

- ➢ Security:
 - ■ Total of 8 level password define to operating priority.
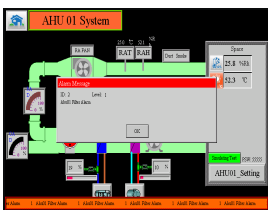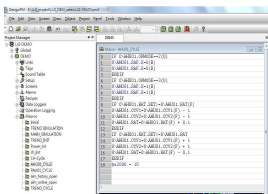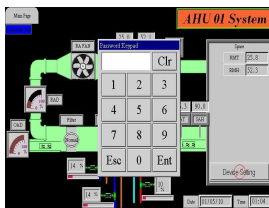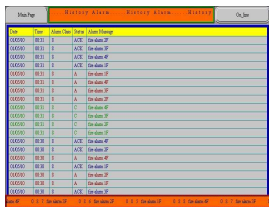
- ■ The viewable, controllable of priority setup for each objects definition, such as button, info-block, graphic page, trend chart page…etc.
- ■ Auto logoff, login setup and screensaver enable.

- ➢ 100% quality test and industrial standard coating cases let LUI-Touch look reliable and nice.
- ➢ Adopts 32 bits high function; high reliability and fan- less ARM CPU.
- ➢ Equipped with genuine 65,535 true colors, high brightness TFT modules.
- ➢ Provides RS232/422/485 communication ports available in standard models.
- ➢ The standard pre-set 32MB backup flash memory.
- ➢ Supports multi - languages, Windows build- in Fonts, BMP and JPG graphics and GIF animations.
- ➢ Provides transparent communication for designers to save their program adjustment time.
- ➢ The extension bus extends various customized devices, such as motion control, temperature control, communication module and I/O module…etc.
- ➢ High speed Ethernet and USB host port supports runtime database upload and download remote communication.
- ➢ Support MODBUS TCP / RTU / ASCII..communction protocol.

- ➢ Schedule:
    - ■ Include standardlize schedule module.
    - ■ Total of 48 Schedule objects including normal and specical day.
    - ■ Support customer difined.
    - ■ Support group Occ/Unocc via Macro programme.

- ➢ FTP Server supports, could be down/up load from remote PC station.
- ➢ Standard message indication. Show all of operatng recode on panel.

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Applications:
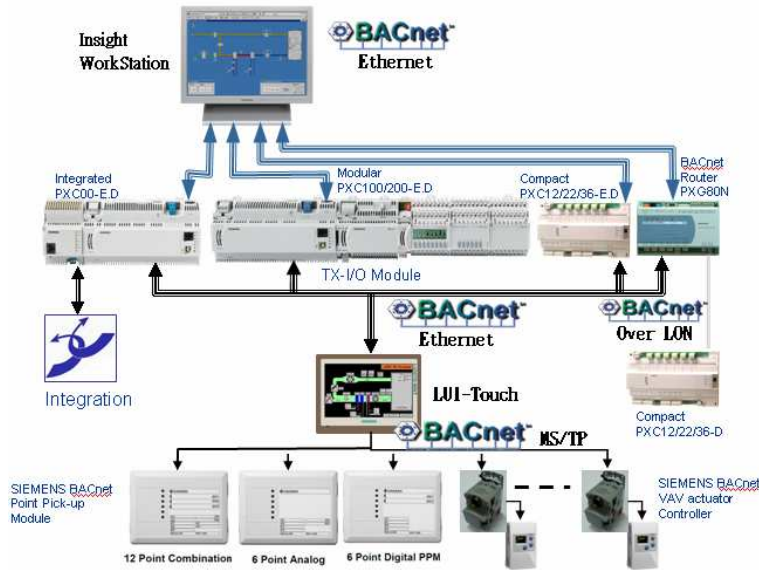
Description for model 10.1" type:

➢ Via Ethernet port for connecting one to four BACnet /IP Automation Controller.

➢ Via serial port for connecting one to four BACnet MS/TP DDC device.

➢ Only support BACnet standard object AI, AO, AV, BI, BO, BV, MI, MO, MV object type.

➢ Support MODBUS TCP/RTU/ASCII protocol connection.

➢ Integrate to BMS system via DDC and MODBUS gateway or workstation directly such as DESIGO Insight or 3'rd SCADA HMI.
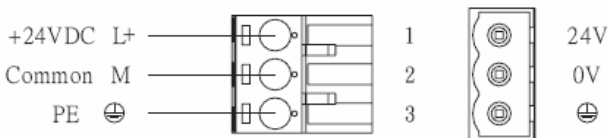
➢ Customize graphic design..

Dimensions:
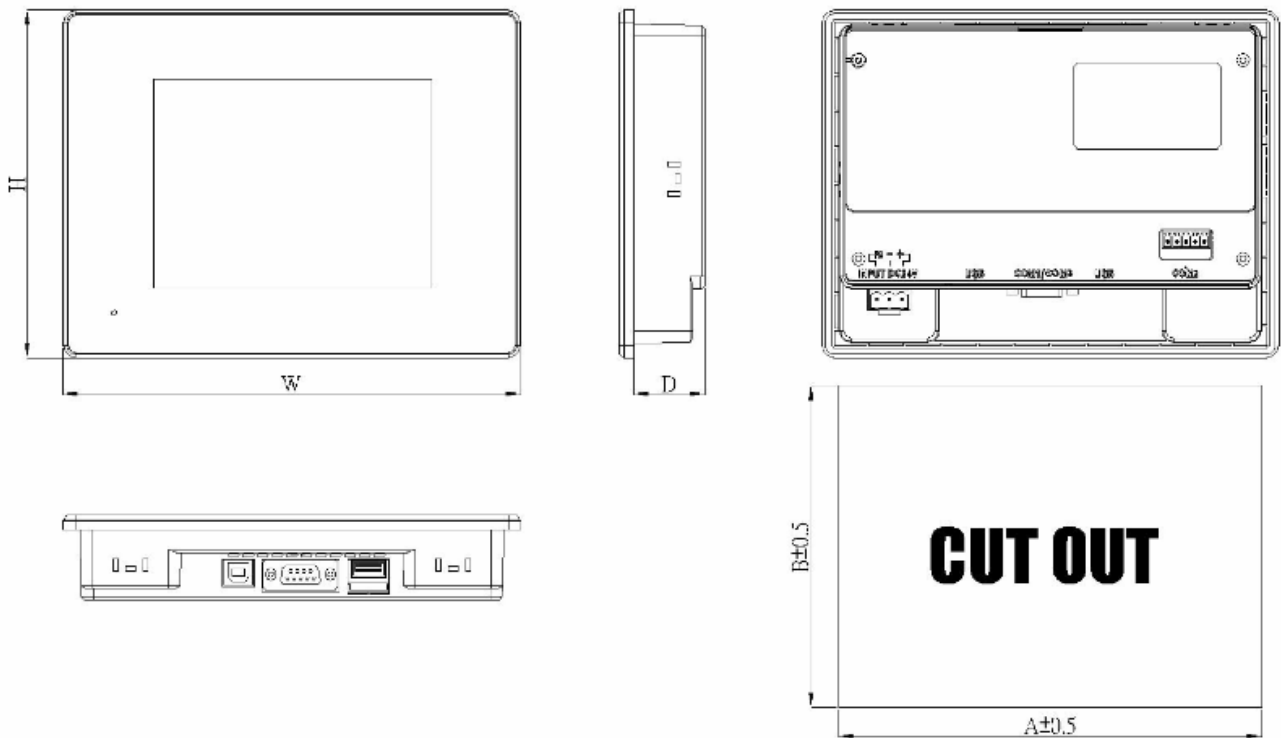
Model Number:	Outlet Dimensions:		Cutout Dimensions:
LUI100-WNT	(W)270.5 mm / (H)212.5mm / (D)40 mm		(A)259.5 mm / (B)201.5 mm

Connections / 腳位圖

COM1 (DB-9-Female)	
Pin	Description:
1	RD-422 TXD+ / **RS-485 +**
2	**RS-232 RXD**
3	**RS-232 TXD**
4	RS-422 RXD+
5	**GEN**
6	RS-422 TXD- / **RS-485-**
7	**RS-232 TXD for COM3**
8	**RS-232 RXD for COM3**
9	RS-422 RXD-
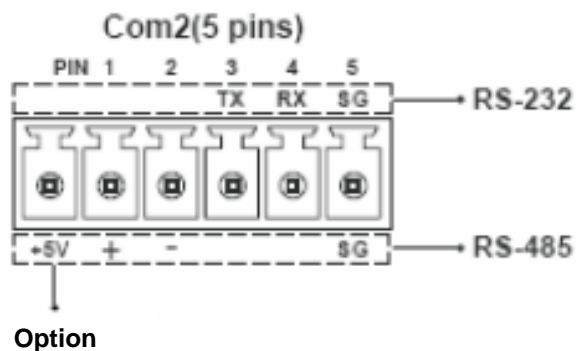
Technical Specification:

	Type	TFT LCD Module
	COLORs	65,536 colors
	BACKLIGHT TUBE	LED Backlight 20,000 Hrs (Note:1)
Display	Brightness (cd/㎡)	250
	RESOLUTION(Pixels)	1024 * 600
	SIZE(Inch)	10.1
	Touchscreen	Hardness/4H, 4-wire analog resistance
CPU	Nuvoton	ARM926EJ-S 32bits, 200MHz
O.S		HMI RTOS; LUI-Design
Application memory		8MB + 128MB NAND Flash
Battery backup memory		128KB(Standard)
Working memory		64MB SDRAM
Real Time clock		Yes
	Series	COM1: RS232/422/485(DB9 Female)
		COM2: RS232/ RS485 (T.B.)
		COM3: RS232 (Com1: Pin5;7;8)
Interface	Ethernet	10/100 Mb
	USB	USB full speed Host x 1 , USB full speed Client x 1
	Expansion	Micro SD Card.(Max 4G support)
	Print Port	None.
Power	Input power	24V DC+-10%
	Consumption (W)	18
Operation Temp		0~50 ℃(32~ 120℉)
Relative Humidity		10% ~ 90%RH
Vibration	10 to 55Hz (X, Y, Z axial, 1G Hz 30 Minutes vibration test)	
EMI		FCC Part 15 Class A
CE	EN55022，EN61000-4-2，EN61000-4-3，EN61000-4-8	
Protection class		NEMA4／IP65(front panel) standard
Cooling		Free cooling
Approvals		CE/FCC
Schedule object.		Support schedule control
Net Weight (kg)		1.25

Note 1:The lamp lifetime is the typical value for continuous operation at 25 ℃.

Order Information:

P/N	Description	MOQ
LUI100-WNT	10.1 inches full color touch widescreen with Ethernet Port.	3

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