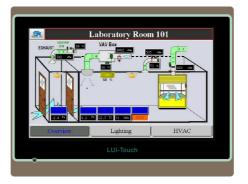
# SIEMENS



#### 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.



ARRIAL	555 S.S.S.A.A 102 0 0 0 A.A.	
the three th	Image: Section (Section (	



#### 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, online 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.

CMENLUI-Touch-04.Ver1 12.12.2011 **Building Technologies** 

Page 1 of 5 Print in Taiwan

Man	Ψ.	y Alara		
Dete	Terr		9da	Alam Manage
0003333	00.31	1	ACT.	ta dan F
(((059))	60.31		ACK.	for data 3F
0003333	00.31		MX.	to dan 4
(0003333)	88.71		ACE	for data 17
000590	66.31			for dam 18
0003333	80.31		٨	for slars 47
000590	66.31			for data X
0003333	80.21		٨	to dan 3
	80,31			lan data G
0003333	00.31			to dan W
00(2033)	80.31			for size F
000590	80.31			for dam 19
0003333	00.30	1		to day 4
000590	68,36		SCK.	for data 2
0003333	88.35		٨	to dan 4
0603333	60.75		YUK.	En data 17
(00000)	81.31	\$	٨	fm dam 2
00(3333)	80.35			fa dan F
000590	00.30		MX.	for data X



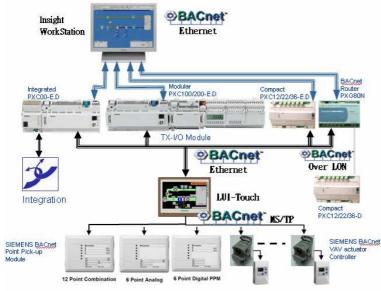


<u>.</u>	Operating Message Display						
DATE	TIME	EVENT Message					
141210	02.04	Oraphic digitat operation					
141210	02.04	OCB1 Manual control (ON)					
1412/10	02.04	ACB2 Manual control (OP)					
1412/10	02.04	ACB2 Manual control (OFF)					
1412/10	02.04	GCB1 Manual control (OFF)					
141210	02.04	Graphic deplay operation					
101210	02.03	Graphic deplay operation					
141310	02.03	Nata indication operation					
141310	02:03	Oraphic digitar operation					
141210	02:03	For slars instable test (OFF)					
1412/10	02:03	fer slam ACE on foor page					
1412/10	02.03	For dams simulation text (ON)					
141210	02.03	Diagnostic operating					
141210	02.03	ABUI MODE Manual control (S2)					
101210	02.02	ABUT MODE Manual control (\$1)					
141310	02.02	AHU1 EAH Setuciat manual control, 154.01					
141210	02.02	AHU1 EAT Sepoint named costrol (24/0)					

- 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.

$\sim$	S			Schedu	le Plant	2312	13 03/28/11
ba.	Plane	Data	印度	Stat Tax	Ind Tax	Apply to.	
	CHILLIN STITEM JODAY			0000	25 00:00	6461	
3	CHILIP, STITEM, Woldow	-		2500.00	23:59.00	Mos/Ter/Waltis Fe	CBB, System, Str.
3	100,00007,000	-		aaa	25.00.00	6461	
4	650_00017_No4Day	-		23 20 00	23.930	Mos/Ter/PolTic/Fe	AND DRIVE
	1997,54	-		0000	25.900	Mos/Ter/WelTheFe	1863e 2010

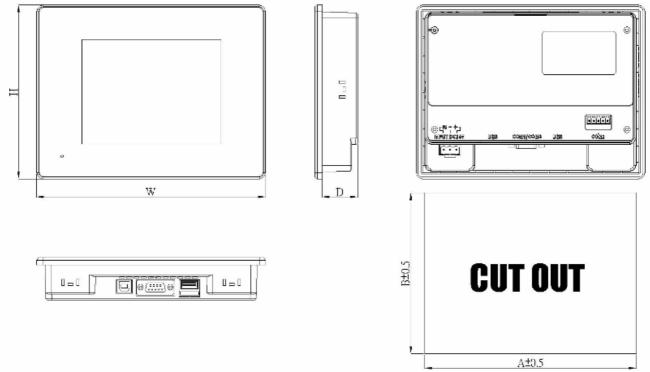
## Applications:



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

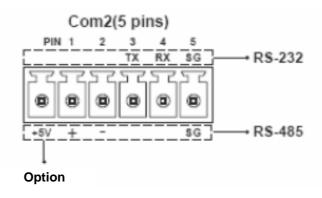
Power Supply / 電源供應

	Powered bya Low Voltage / Limited Energypowersource. 以低電壓提供電力 / 限制能量電源 -
Comm	DC L+ 1 24V non M 22 0V E D 3 D E
	COM1 (DB-9-Female)
Pin	Description:
1	RD-422 TXD+ / <b>RS-485 +</b>
2	RS-232 RXD
3	RS-232 TXD
4	RS-422 RXD+
	GEN

/ RS-485-

for COM3

for COM3



Page 4 of 5 Print in Taiwan

RS-422 TXD-

RS-232 TXD

RS-232 RXD

RS-422 RXD-

6 7

8 9

CMENLUI-Touch-04.Ver1 12.12.2011

**Building Technologies** 

### **Technical Specification:**

	Туре	TFT LCD Module			
	COLORs	65,536 colors			
	BACKLIGHT TUBE	LED Backlight 20,000 Hrs (Note:1)			
Display	Brightness (cd/m <sup>²</sup> )	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 men	nory	128KB(Standard)			
Working memory		64MB SDRAM			
Real Time clock		Yes			
		COM1: RS232/422/485(DB9 Female)			
	Series	COM2: RS232/ RS485 (T.B.)			
Interface		COM3: RS232 (Com1: Pin5;7;8)			
Intenace	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 °C (32°~ 120℉)			
Relative Humidity		10% ~ 90%RH			
Vibration	10 to 55Hz (X, Y, Z axial, 1	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	1	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 life	time is the typical value for c	continuous operation at 25 $^{\circ}$ C.			

### **Order Information:**

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

Page 5 of 5CMENLUI-Touch-04.Ver1Building TechnologiesPrint in Taiwan12.12.2011