

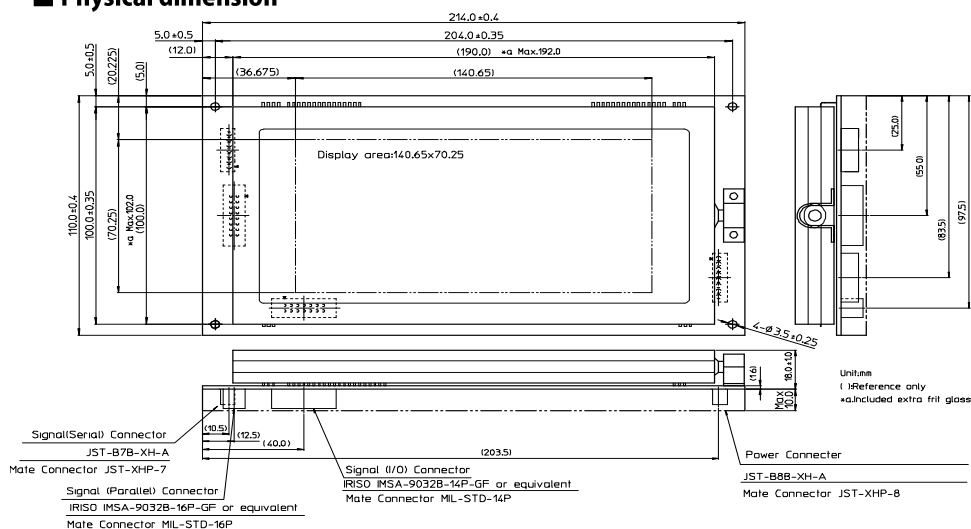
GU256X128E-3900B

SIMPLIFIED DATASHEET

■ Features

Largest VFD in the 256x128 dot size. High-impact graphic module. For bigger and bolder information display.

■ Physical dimension



Get full specification



Click here to go to request form.

Specifications

■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply voltage	VCC1	4.75	5.00	5.25	VDC	-
	VCC2	11.4	12.0	12.6	VDC	-

■ Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Parallel I/F						
Logic input current	I _{piH}	-	-	1.0	μADC	-
D0-D7, /WR	I _{piL}	-	-	-200	μADC	-
Logic input voltage	V _{piH}	0.8VCC1	-	VCC1	VDC	-
D0-D7, /WR	V _{piL}	0	-	0.2VCC1	VDC	-
Logic output voltage	V _{poH}	3.5	-	VCC1	VDC	I _{OH} =-10 μA
RDY	V _{poL}	0	-	0.6	VDC	I _{OL} =4mA
RS-232 I/F						
Logic input voltage	V _{siH}	3	-	15	VDC	-
RXD, DSR	V _{siL}	-15	-	-3	VDC	-
Logic output voltage	V _{soH}	5	-	-	VDC	R _L =3KΩ
RXD, DSR	V _{soL}	-	-	-5	VDC	-
Logic input Impedance	R _{siN}	3	-	7	KΩ	-
RXD, DSR						-
General-purpose I/O port						
Power Supply Current 1	ICC1	-	80	120	mADC	-
Power Supply Current 2	ICC2-1	-	0.75	1.05	ADC	All dots ON
	ICC2-2	-	0.55	0.75	ADC	All dots OFF
	ICC2-3	-	0.7	1.4	mADC	Display power OFF
Power Consumption		-	9.4	13.2	W	All dots ON

■ Optical Specifications

Parameter	
Luminance	350 cd/m ² Min. (500 cd/m ² Typ.)
Color of illumination	Green (Blue-Green)

■ Environmental Specifications

Parameter	
Operating Temperature	-40 ~ +70 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (non-operating)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	392m/s ² (40G) 9ms X-Y-Z, 3 times each direction

■ Physical Specifications

Parameter	
Number of Dots	32,768 (256 x 128)
Display Area	140.65 mm x 70.25mm
Dot Size (X x Y)	0.4 mm x 0.4 mm
Dot Pitch (X x Y)	0.55 mm x 0.55 mm
Weight	About 630 g

■ Interface

Parallel(CMOS), Asynchronous Serial (RS232), I/O port

■ Pin Assignment

Pin No.	Signal	Pin No.	Signal
1	D7	2	D6
3	D5	4	D4
5	D3	6	D2
7	D1	8	D0
9	GND	10	/WR
11	GND	12	RDY
13	GND	14	GND
15	VCC1	16	VCC1

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	RXD	4800bps
2	DTR	9600bps
3	DSR	19200bps
4	TXD	38400bps*
5	TEST	57600bps
6	VCC1	115200bps
7	GND	(*:Default setting)

(Powr connector)

Pin No.	Signal
1	VCC1
2	GND
3	VCC2
4	GND
5	TEST

(General-purpose I/O port:Abbreviation)

■ Selectable Font

Parameter	
ASCII, KANA	All Font Size
International	6 x 8 / 8 x 16 / 12 x 24 / 16 x 32 dot
2-byte character	16x16 dot
Japanese	32 x 32 dot
Character numbers	42 x 16 by ASCII
	21 x 5 by 12 x 24 dot ASCII
	16 x 8 by 16 x 16 dot 2-byte character
	8 x 8 by 16 x 32 dot ASCII

■ Functions

Parameter	
Variable Character display	Variable Action Commands
Scroll function	Line / BOX Draw
Display Power Auto ON/OFF	AND/OR/XOR Mixture display
User Windows function	Program Macro function
I/O Port Control Function	Graphic DMA mode
Bit image by dot	
Variable stored settings	
etc.	



Leaflet contents, and specifications and external appearance of products, may change without notice.

Please confirm product details in the specification.

(C)Copyright NORITAKE ITRON CORP.