



GU256X128C-3900
GU256X128C-3900B
Comparison Chart

DOCUMENT NO. : E-M-0044-00
DATE OF ISSUE : April 15, 2011
REVISION :
PUBLISHED BY : Noritake Co., Inc.

Noritake Co., Inc.

2635 Clearbrook Drive
Arlington Height, IL 60005
www.noritake-elec.com
Phone: (800) 779 – 5846
Fax: (847) 593 – 2285

East Coast

New Jersey
(888) 296 – 3423

**Midwest, Canada,
and Mexico**

Chicago
(800) 779 – 5846

West Coast

LA
(888) 795 – 3423

© 2011 Noritake Co., Inc. All rights reserved

GU256X128C-3900 GU256X128C-3900B comparison chart
E-M-0044-00

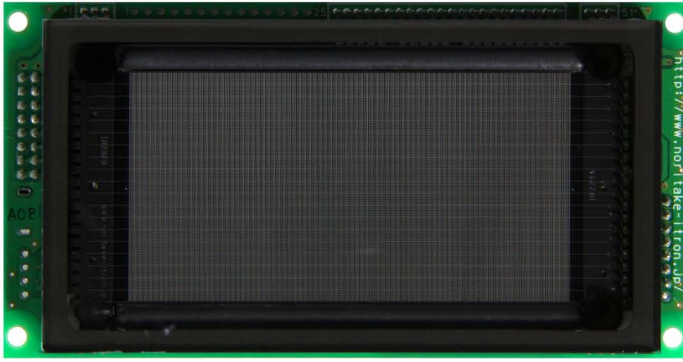
No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written permission of Noritake Co., Inc.

The content of this document is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by Noritake Co., Inc. Noritake Co., Inc. assumes no responsibility or liability for any errors or inaccuracies that may appear in the informational content contained in this document. Please refer to the product specification for more detail.

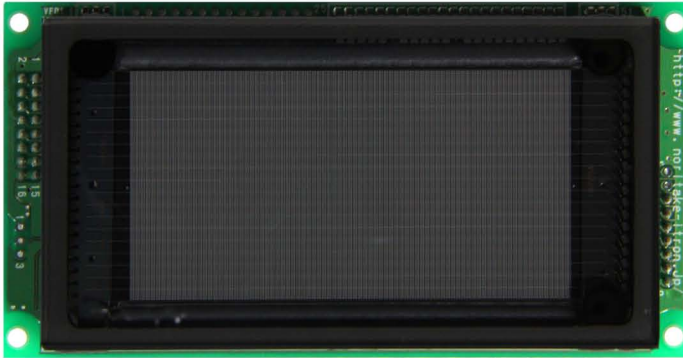
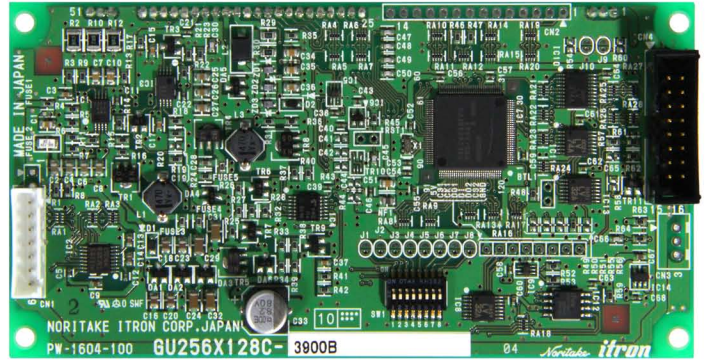
Any references to company names in this document are for demonstration purposes only and are not intended to refer to any actual organization.

Noritake and Itron are either registered trademarks or trademarks of Noritake Co., Inc. in the United States and/or other countries.

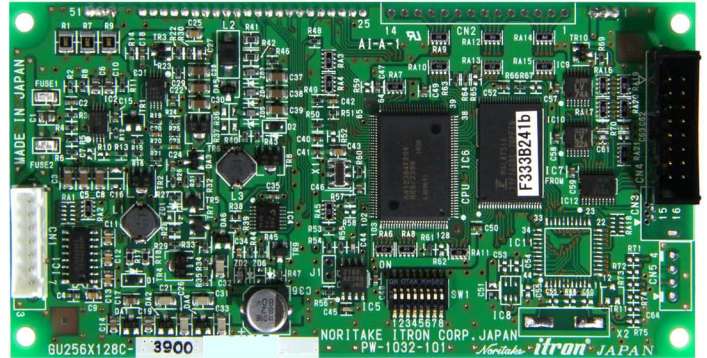
Noritake Co., Inc., 2635 Clearbrook Drive, Arlington Heights, IL 60005, USA.



GU256X128C-3900B



GU256X128C-3900



images are reference only and are not actual size

Comparison Chart of VFD module

Keynote		* Replacement Item	
Changed		GU256X128C-3900	GU256X128C-3900B
Absolute Maximum	Power Supply Voltage	-0.3 to +6.0 V	Same as left
	Logic Supply Voltage - Parallel	-0.3 to Vcc+0.3 V	
	Logic Supply Voltage - Serial	-25 to +25 V	
	Logic Supply Voltage - I/O Port	-0.3 to Vcc+0.3 V	
Electrical Rating	Power Supply	5V +/- 5%	Same as left
Electrical Characteristics (Parallel - CMOS level)	Input Current	IplH: Max 1.0 μ A IplL: Max -200 μ A	Same as left
	Input Voltage	VplH: 0.8Vcc to Vcc VplL: 0 to 0.2Vcc	
	Output Voltage	VpOH: 3.5 to Vcc (IOH=-10 μ A) VpOL: 0 to 0.6 V (IOL=4mA)	
Electrical Characteristics (Serial - RS232 level)	Input Voltage	VslH: 3 to 15 V VslL: -15 to -3 V	Same as left
	Output Voltage	VsOH: Min. 5 V (RL=3K Ω) VsOL: Max. -5 V	
	Input Impedence	3 to 7 K Ω	
Electrical Characteristics (General Purpose I/O Ports)	Input Current	IilH: Max. 1 μ A IilL: Max. -200 μ A	Same as left
	Input Voltage - Port 0	VilH: 2.0 to Vcc VilL: 0 to 0.8 V	
	Input Voltage - Port 1	ViT-: Min. 1.0 V ViT+ : Max. 0.7 Vcc ViT+ - ViT-: Min. 0.4 V (Schmidt Trigger input)	
	Output Voltage	ViOH: Min. Vcc-0.6 V (IOH=-200 μ A) ViOL: Max. 0.5 V (IOL=1.6 mA)	
	Output Current (Per 1 terminal)	IiOH: Max. 1.5 mA IiOL: Max. 8 mA	
Power Supply	Power Supply Current 1 (All dots ON)	Typical: 0.85 A Max: 1.1 A	Same as left
	Power Supply Current 2 (All dots OFF)	Typical: 0.68 A Max: 0.89 A	
	Power Supply Current 3 (Display power OFF)	Typical: 80 mA Max: 120 mA	
	Power Consumption (All dots ON)	Typical: 4.25 W Max: 5.5 W	
Optical Specification	Number of dots	32,768 (256 X 128)	Same as left
	Display Area	83.08 mm x 41.48 mm	
	Dot size	0.225 mm x 0.225 mm	
	Dot pitch	0.325 mm x 0.325 mm	
	Color & Brightness	Blue Green, 250 cd/m2 Min (500 cd/m2 Typ.)	
Environmental Condition	Operating Temp.	-40 to + 85 Deg C	Same as left
	Storage Temp.	-40 to + 85 Deg C	
	Operating humidity	20 to 80 % RH	
	Vibration	10 ~ 55 ~ 10 Hz (Frequency) 1.0 mm (Total Amplitude) 30 min (Duration) X, Y, Z each direction	
	Shock	392 m/S^2 9 mS	
Interface	Type of interface	8 Bit Parallel (C-MOS) Serial (RS-232) General Purpose I/O Port (GPIO)	Same as left
	Serial (RS-232) Buffer Memory	Receive Buffer = 256 bytes Transmit Buffer = 128 bytes	
	RS-232 Communication Setting	Baud Rate 1: 38.4K bps (Default) Baud Rate 2: 19.2K bps Data Bit: 8 Start/Stop Bit: 1 Parity: None	
	Timing	-	
			Baud Rate 1: 38.4K bps (Default) Baud Rate 2: 19.2K bps Baud Rate 3: 4,800 bps Baud Rate 4: 9,600 bps Baud Rate 5: 57.6K bps Baud Rate 6: 115K bps Data Bit: 8 Start/Stop Bit: 1 Parity Setting 1: None (Default) Parity Setting 2: Even Parity Setting 3: Odd
			Compatible

Comparison Chart of VFD module

Keynote		* Replacement Item	
Changed		GU256X128C-3900	GU256X128C-3900B
External Setting	Dip Switch	1 - 4: Display address select 5: Baud rate select 6: Command mode select 7: Operating mode select 8: Protocol select	1 - 4: Display address select 5: RS-232 interface setting 6: Command mode select 7: Operating mode select 8: Protocol select
Memory	Display Memory	8,192 bytes (512X128 dots)	Same as left
	Bit Image Memory - RAM	1,028 bytes	4,096 bytes
	Bit Image Memory - FROM	32,768 bytes	Same as left
	Bit Image Memory - FROM Extension	262,144 bytes	Same as left
	Macro Memory - RAM	256 bytes	16K bytes
	Macro Memory - FROM	16K bytes (4K X 4 Channels)	Same as left
	General Purpose Memory - RAM	N/A	1,024 bytes
	General Purpose Memory - FROM	N/A	64K bytes (4K X 16 Channels)
Character	Available Character Codes (Font Size)	ASCII + International (6x8, 8x16, 16x32) Japanese Kanji (16x16) Simplified Chinese (16x16) Traditional Chinese (16x16) Korean (16x16)	ASCII + International (6x8, 8x16, 12x24 , 16x32) Japanese Kanji (16x16, 32x32) Simplified Chinese (16x16) Traditional Chinese (16x16) Korean (16x16)
	User Definable Font - RAM	Up to 16 Words Available Font Size 1 byte code: 6x8, 8x16 2 bytes code: 16x16	Up to 16 Words Available Font Size 1 byte code: 6x8, 8x16, 12x24 , 16x32 2 bytes code: 16x16, 32x32
	User Definable Font - FROM	Up to 128 Words for 1 byte characters Available Font Size: 6x8, 8x16, 16x32 Up to 16 Words for 2 bytes characters Available Font Size: 16x16	Up to 128 Words for 1 byte characters Available Font Size: 6x8, 8x16, 12x24 , 16x32 Up to 16 Words for 2 bytes characters Available Font Size: 16x16, 32x32
Function	Commands	See Command Comparison Chart	
Mechanical Dimension	Outline	131.0 mm +/- 0.4 mm x 66.0 mm +/- 0.7 mm	
	Mounting Holes	Horizontally : 125.0 mm +/- 0.35 mm Vertically : 58.0 mm +/- 0.30 mm	
	VFD Height	12.9 mm +/- 1.0 mm (from the surface of PCB)	
	Parts (components) Height	Max. 10 mm (from the surface of PCB)	

Document Referenced:

- GU256X128C-3xxx hardware spec. Rev.00 (Date: 10/1/10)
- GU256X128dot-39xx software spec. Rev.03 (Date: 1/16/09)
- GU256X128C-3900b hardware spec. Rev. 02 (Date: 03/03/11)
- GU-3900B series "General Function" Software Specification (Date: 10/27/10)

Command Comparison Chart

Key note

Changed Parameter

Added Command(s)

	Command name	Available In	
		GU-3900	GU-3900B
Character Code	Character display	Yes	Yes
Control Code	Back Space	Yes	Yes
	Horizontal Tab	Yes	Yes
	Line feed	Yes	Yes
	Home Position	Yes	Yes
	Carriage Return	Yes	Yes
	Display Clear	Yes	Yes
	Line Clear	-	Yes
	Line end clear	-	Yes
General Setting Commands	Brightness level setting	Yes	Yes
	Initialize Display	Yes	Yes
	Cursor Set	Yes	Yes
	Cursor display	Yes	Yes
Character Display Setting Commands	Write screen mode select	Yes	Yes
	International font set	Yes	Yes
	Character Table type	Yes	Yes
	Over-Write mode	Yes	Yes
	Vertical Scroll mode	Yes	Yes
	Horizontal Scroll mode	Yes	Yes
	Horizontal scroll mode Scroll ON	-	Yes
	Horizontal Scroll speed	Yes	Yes
	Font size select	Yes	Yes
	2-byte Character	Yes	Yes
	2-byte character type	Yes	Yes
	Font width	-	Yes
	FROM extended font	-	Yes
	Font magnification	Yes	Yes
Bold character	Yes	Yes	
Display Action Setting Commands	Wait	Yes	Yes
	Short Wait	Yes	Yes
	Scroll display action	Yes	Yes
	Blink	Yes	Yes
	Curtain display action	Yes	Yes
	Spring display action	Yes	Yes
	Random display action	Yes	Yes
	Display Power ON/OFF	Yes	
	Display Power ON/OFF + AUTO-OFF	-	Yes
Display power auto-OFF time	-	Yes	
Bit Image Display Setting Commands	Dot drawing	Yes	Yes
	Line/Box pattern drawing	Yes	Yes
	Dot unit downloaded bit image display	-	Yes
	Dot unit real-time bit image display	-	Yes
	Dot unit character display	-	Yes
	Real-time bit image display	Yes	Yes
	RAM bit image definition	Yes	Yes
	F-ROM bit image definition	Yes	Yes
	Download bit image display	Yes	Yes
	Downloaded bit image scroll display	Yes	Yes

Command Comparison Chart

Key note

Changed Parameter

Added Command(s)

	Command name	Available In	
		GU-3900	GU-3900B
General Display Setting Commands	Horizontal scroll display quality select	Yes	Yes
	Reverse display	Yes	Yes
	Write mixture display mode	Yes	Yes
Window Display Setting Commands	Window select	Yes	Yes
	User Window definition or cancel	Yes	Yes
Download Character Setting Commands	Download character ON/OFF	Yes	Yes
	Download character definition	Yes	Yes
	Download character delete	Yes	Yes
	16x16 Downloaded character definition	Yes	Yes
	16x16 Downloaded character delete	Yes	Yes
	32x32 Download character defintion	-	Yes
	32x32 Downloaded character delete	-	Yes
	Download character save	Yes	Yes
	Download character restore	Yes	Yes
	FROM user font defintion	Yes	Yes
FROM extension font defintion	-	Yes	
User Setup Mode Setting Commands	User-Set up mode start	Yes	Yes
	User-Set up mode end	Yes	Yes
General-Purpose I/O Port Control Commands	I/O ports "input/output" setting	Yes	Yes
	I/O port Output	Yes	Yes
	I/O port Input	Yes	Yes
Macro Setting Commands	RAM macro define/delete	Yes	Yes
	FROM macro define/delete	Yes	Yes
	Macro execution	Yes	Yes
	Macro end condition	-	Yes
Other Setting Commands	Memory SW setting	Yes	Yes
	Memory SW data send	Yes	Yes
	General-purpose memory store	-	Yes
	General-purpose memory transfer	-	Yes
	General-purpose memory send	-	Yes
	Display status send	Yes	Yes
	RS-232 serial settings	-	Yes
DMA Mode	Memory re-write mode	Yes	Yes
	Bit image write	Yes	Yes
	BOX Area Bit Image Write	Yes	Yes
	Display start address	Yes	Yes
	Display synchronous	Yes	Yes
	Brightness level	Yes	Yes

Command Code Comparison Chart

Key note

- Changed Parameter
- Added Command(s)

Command name	Available In		Code - Hex value																						
	GU-3900	GU-3900B	1st byte	2nd byte	3rd byte	4th byte	5th byte	6th byte	7th byte	8th byte	9th byte	10th byte	11th byte	12th byte	13th byte	14th byte	15th byte	16th byte	17th byte	18th byte	19th byte	20th byte	21th byte	22th byte	23th byte
Character display	Yes	Yes	20 to FF																						
Back Space	Yes	Yes	08																						
Horizontal Tab	Yes	Yes	09																						
Line feed	Yes	Yes	0A																						
Home Position	Yes	Yes	0B																						
Carriage Return	Yes	Yes	0D																						
Display Clear	Yes	Yes	0C																						
Line Clear		Yes	18																						
Line end clear		Yes	19																						
Brightness level setting	Yes	Yes	1F 58 n (n=0 to 4 and 10h to 18h / 0=0%, 1=25%, 2=50%, 3=75%, 4=100%, 10h=0%, 11h=12.5%, 12h=25%,... 18h=100%)																						
Initialize Display	Yes	Yes	1B 40																						
Cursor Set	Yes	Yes	1F 24 xL xH yL yH																						
Cursor display	Yes	Yes	1F 43 n																						
Write screen mode select	Yes	Yes	1F 28 77 10 a																						
International font set	Yes	Yes	1B 52 n																						
Character Table type	Yes	Yes	1B 74 n																						
Over-Write mode	Yes	Yes	1F 01																						
Vertical Scroll mode	Yes	Yes	1F 02																						
Horizontal Scroll mode	Yes	Yes	1F 03																						
Horizontal scroll mode Scroll ON		Yes	1F 05																						
Horizontal Scroll speed	Yes	Yes	1F 73 n																						
Font size select	Yes		1F 28 67 01 m (m=1,2,4 / 1=6X8", 2=8X16", 4=16X32")																						
		Yes	1F 28 67 01 m (m=1,2,3,4 / 1=6X8", 2=8X16", 3=12X24", 4=16X32")																						
2-byte Character	Yes	Yes	1F 28 67 02 m (m=0,1 / 1="Enable 2byte Char mode", 0="Disenable")																						
2-byte character type	Yes	Yes	1F 28 67 03 m (m=0,1,2,3 / 0="Japanese", 1="Korean", 2="Simplified Chinese", 3="Traditional Chinese")																						
Font width		Yes	1F 28 67 04 m (m=1,2,3,4 / 1="Fixed width", 2="Proportional 1", 3="Proportional 2", 4="Proportional 3")																						
FROM extended font		Yes	1F 28 67 05 n																						
Font magnification	Yes	Yes	1F 28 67 40 x y																						
Bold character	Yes	Yes	1F 28 67 41 b																						
Wait	Yes	Yes	1F 28 61 01 t (t= multiples of 0.5sec.)																						
Short Wait	Yes	Yes	1F 28 61 02 t (t= multiples of time unit. See Time Unit Chart below.)																						
Scroll display action	Yes	Yes	1F 28 61 10 wL wH cL cH s (s= multiples of time unit. See Time Unit Chart below.)																						
Blink	Yes	Yes	1F 28 61 11 p t1 t2 c (t1, t2 = multiples of time unit. See Time Unit Chart below.)																						
Curtain display action	Yes	Yes	1F 28 61 12 v s p (s= multiples of time unit. See Time Unit Chart below.)																						
Spring display action	Yes	Yes	1F 28 61 13 v s pL pH (s= multiples of time unit. See Time Unit Chart below.)																						
Random display action	Yes	Yes	1F 28 61 14 s pL pH (s= multiples of time unit. See Time Unit Chart below.)																						
Display Power ON/OFF	Yes		1F 28 61 40 p (p=0,1 / 0="Power_OFF", 1="Power_ON")																						
Display Power ON/OFF/auto-off		Yes	1F 28 61 40 p (p=0,1,10 / 0="Power_OFF", 1="Power_ON", 10="Power_AUTO_OFF")																						
Display power auto-OFF time		Yes	1F 28 61 40 t																						
Dot drawing	Yes	Yes	1F 28 64 10 pen xL xH yL yH (xL, xH, yL, yH = multiples of time unit. See Time Unit Chart below.)																						
Line/Box pattern drawing	Yes	Yes	1F 28 64 11 mode pen xL xH yL yH (xL, xH, yL, yH = multiples of time unit. See Time Unit Chart below.)																						
Dot unit downloaded bit image display		Yes	1F 28 64 20 xPL xPH yPL yPH m aL aH aE ySL ySH xOL xOH yOL yOH xL xH yL yH 01																						
Dot unit real-time bit image display		Yes	1F 28 64 21 xPL xPH yPL yPH xL xH yL yH 01 d(n)																						
Dot unit character display		Yes	1F 28 64 30 xPL xPH yPL yPH m bLen d(n)																						
Real-time bit image display	Yes	Yes	1F 28 66 11 xL xH yL yH 01 d(n)																						
RAM bit image definition	Yes	Yes	1F 28 66 01 aL aH aE sL sH sE d(n)																						
F-ROM bit image definition	Yes	Yes	1F 28 65 10 aL aH aE sL sH sE d(n)																						
Download bit image display	Yes	Yes	1F 28 66 10 m aL aH aE ySL ySH xL xH yL yH 01																						
Downloaded bit image scroll display	Yes		1F 28 66 90 m aL aH aE ySL ySH xL xH yL yH 01 s (s= multiples of time unit. See Time Unit Chart below.)																						
		Yes	1F 28 66 90 m aL aH aE ySL ySH xL xH yL yH 01 s (s= multiples of time unit. See Time Unit Chart below.)																						
Horizontal scroll display quality select	Yes	Yes	1F 6D n																						
Reverse display	Yes	Yes	1F 72 n																						
Write mixture display mode	Yes	Yes	1F 77 n																						
Window select	Yes	Yes	1F 28 77 01 a																						
User Window definition or cancel	Yes	Yes	1F 28 77 02 a b xPL xPH yPL yPH xSL xSH ySL ySH																						
Download character ON/OFF	Yes	Yes	1B 25 n																						
Download character definition	Yes		1B 26 a c1 c2 x[n] (a=1,2 / 1=6X8", 2=8X16")																						
		Yes	1B 26 a c1 c2 x[n] (a=1,2,3,4 / 1=6X8", 2=8X16", 3=12X24", 4=16X32")																						
Download character delete	Yes		1B 3F a c (a=1,2 / 1=6X8", 2=8X16")																						
		Yes	1B 3F a c (a=1,2,3,4 / 1=6X8", 2=8X16", 3=12X24", 4=16X32")																						
16x16 Downloaded character definition	Yes	Yes	1F 28 67 10 c1 c2 d(n)																						
16x16 Downloaded character delete	Yes	Yes	1F 28 67 11 c1 c2 d(n)																						
32x32 Downloaded character definition	Yes		1F 28 67 14 c1 c2 d(n)																						
32x32 Downloaded character delete	Yes	Yes	1F 28 67 15 c1 c2 d(n)																						
Download character save	Yes		1F 28 65 11 a (a=1,2,3 / 1=6X8", 2=8X16", 3=16X16")																						

Command Code Comparison Chart

Key note

Changed Parameter
Added Command(s)

Command name	Available In		Code - Hex value																							
	GU-3900	GU-3900B	1st byte	2nd byte	3rd byte	4th byte	5th byte	6th byte	7th byte	8th byte	9th byte	10th byte	11th byte	12th byte	13th byte	14th byte	15th byte	16th byte	17th byte	18th byte	19th byte	20th byte	21th byte	22th byte	23th byte	
Download character restore	Yes	Yes	1F	28	65	11	a	(a=1,2,3,4,5,6 / 1="6X8", 2="8X16", 3="16X16", 4="16X32", 5="32X32", 6="12X24")																		
FROM user font defintion	Yes	Yes	1F	28	65	21	a	(a=1,2,3 / 1="6X8", 2="8X16", 3="16X16")																		
FROM extension font defintion	Yes	Yes	1F	28	65	13	m	P(80-1)	P(80-2)	-P(ff-n)	(m=1,2,4 / 1="6X8", 2="8X16", 4="16X32", 256x64, 256x128, 320x32)															
User-Set up mode start	Yes	Yes	1F	28	65	01	49	4E	(m=1,2,3,4 / 1="6X8", 2="8X16", 3="12X24", 4="16X32")																	
User-Set up mode end	Yes	Yes	1F	28	65	02	4F	55	54																	
I/O ports "input/output" setting	Yes	Yes	1F	28	70	01	n	a																		
I/O port Output	Yes	Yes	1F	28	70	10	n	a																		
I/O port Input	Yes	Yes	1F	28	70	20	n																			
RAM macro define/delete	Yes	Yes	1F	3A	pL	pH	d(n)																			
FROM macro define/delete	Yes	Yes	1F	28	65	12	a	pL	pH	t1	t2	d(n)	(t1, t2 = multiples of time unit. See Time Unit Chart below.)													
Macro execution	Yes	Yes	1F	5E	a	t1	t2	(t1, t2 = multiples of time unit. See Time Unit Chart below.)																		
Macro end condition	Yes	Yes	1F	28	69	20	a	b	c																	
Memory SW setting	Yes	Yes	1F	28	65	03	a	b																		
Memory SW data send	Yes	Yes	1F	28	65	04	a																			
General-purpose memory store	Yes	Yes	1F	28	65	18	sL	sH	sE	m1	a1L	a1H	a1E	d(n)												
General-purpose memory transfer	Yes	Yes	1F	28	65	19	sL	sH	sE	m1	a1L	a1H	a1E	m2	a2L	a2H	a2E									
General-purpose memory send	Yes	Yes	1F	28	65	28	sL	sH	sE	m1	a1L	a1H	a1E													
Display status send	Yes	Yes	1F	28	65	40	a	b	c																	
RS-232 serial settings	Yes	Yes	1F	28	69	10	a	b	c	(a=0,1,2,3,4,5,6 \ 4800bps-115200bps b=0,1,2 \ 0: None parity, 1: Even, 2: Odd)																
Memory re-write mode	Yes	Yes	1C	7C	4D	D0	4D	4F	44	45	49	4E														
DMA mode																										
Bit image write	Yes	Yes	02	44	DAD	46	aL	aH	sL	sH	d(n)															
BOX Area Bit Image Write	Yes	Yes	02	44	DAD	42	aL	aH	sXL	sXH	sYL	sYH	d(n)													
Display start address	Yes	Yes	02	44	DAD	53	aL	aH																		
Display synchronous	Yes	Yes	02	44	DAD	57	01																			
Brightness level	Yes	Yes	02	44	DAD	58	n	(n=0 to 4 and 10h to 18h / 0=0%, 1=25%, 2=50%, 3=75%, 4=100%, 10h=0%, 11h=12.5%, 12h=25%, ..., 18h=100%)																		

Time Unit Chart	Timing unit +/-5%	
Display Screen Resolution	3900	3900B
128x128	N/A	14 ms
256x16	14 ms	14 ms
256x32	14 ms	14 ms
256x64	14 ms	14 ms
256x128	16 ms	15 ms
320x32	14 ms	14 ms
384x32	13 ms	13 ms
512x32	14 ms	14 ms

<- 128x128 is available in 3900B only.

Note: 256x16 does only have 6x8 and 8x16 character mode for 1 byte mode.

Document referenced: GU-3900B series "General Function" Software Specification (Date: 10/27/10)
 GU256x128dot-39xx software spec. Rev.03 GU256x32dot-39xx software spec. Rev.02 GU320x32dot-39xx software spec. Rev.02 GU512x32dot-39xx software spec. Rev.02
 GU256x16dot-39xx software spec. Rev.02 GU256x64dot-39xx software spec. Rev.02 GU384x32dot-39xx software spec. Rev.02

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru