

GU-7000 SERIES



ISO 9001 and ISO 14000 Certified

More info: <http://www.noritake-elec.com/7000htm>

Purchase samples: <http://noritake-vfd.com/gu-7000.aspx>

Dot matrix display

- Vibrant and bright display
- Display characters anywhere on the screen
- Display bitmap images
- Invert screen
- Seperate into 4 independently controlled windows

LCD footprint

Available in following LCD footprints:

- 16 x 2 (80.0 mm x 36.0 mm)
- 20 x 2 (116.0 mm x 37.0 mm)
- 20 x 4 (98.0 mm x 60.0 mm)
- 40 x 2 (182.0 mm x 33.5 mm)

and has operating temperature range of -40°C to +85°C*

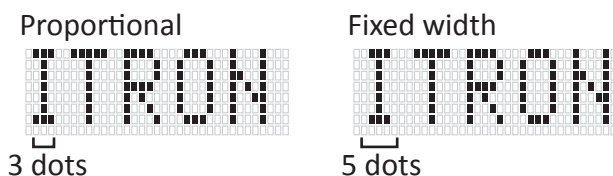
*GU140X16G-7040A has operating temperature range of -30°C to +70°C and -30°C to +40°C with backlight on

More characters

7000 Series offers VFD modules capable of displaying many characters.

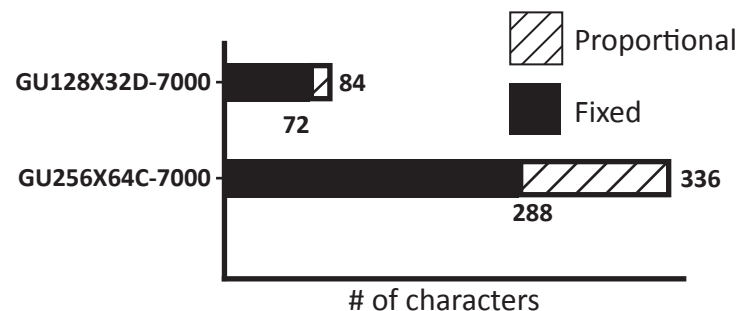
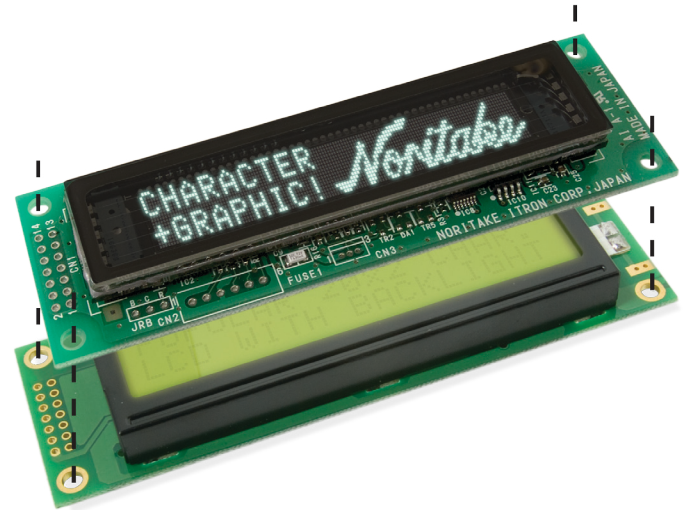
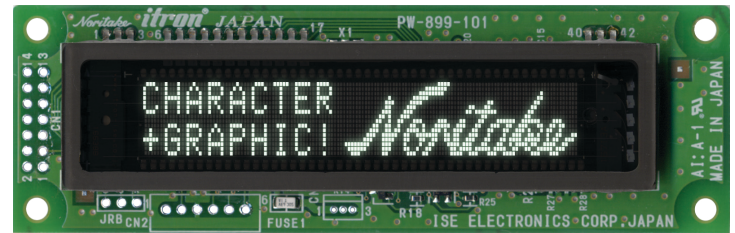
- GU128X32D-7000 can display 72 (18 x 4) characters
- GU256X64C-7000 can display 288 (36 x 8) characters

Display more characters with proportional font



NEW! Software support tools

- Evaluation Code Library
C++ code library for Atmel AVR MPU
- GUD10K: GU-7000 Evaluation Software
Record actions and save commands
- Screen Layout Designer
Prototype your screen layout online
- Bitmap Image Tool
Converts Windows bitmaps into GU-7000 format
- Bitmap Image Loader
Load images onto GU-7900 Flash ROM
- Text Encoding Converter
Encode your text in GU-7000 format

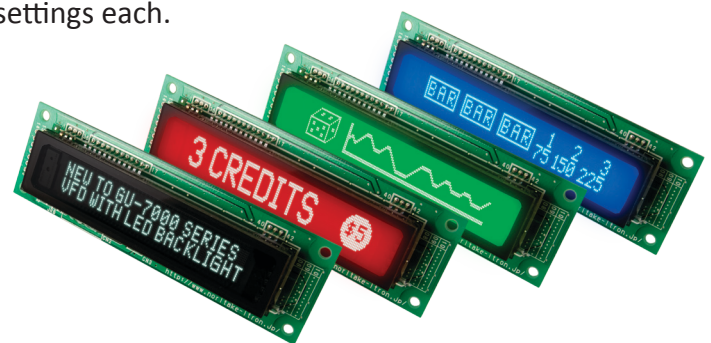


3.3 V power supply available

- GU140X32F-7032

LED backlight available

- GU140X16G-7040A
Emits red, green and blue color with 16 brightness level settings each.



Part Number Ending With:		Parallel	UART (RS-232)	UART (C-MOS)	USART	SPI	Included font tables
7000, 7000B, 7900, 7900B, 7040, 7050		•	•	-	-	-	ASCII
7003, 7903, 7053		-	-	•	•	-	Extended ASCII
7003B, 7903B, 7053B, 7064B		-	-	•	•	•	International
7032 *3.3V power supply		•	-	•	•	-	*Asian font tables (CJK) available
Part Number	LCD Footprint	Display Bitmap	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Power Supply Typical	Notes
GU112X16G-7000B	16 x 2	112 x 16	6	52.5 x 11.5	80.0 x 36.0	5 V / 220 mA	RS232 serial
GU112X16G-7003B							CMOS serial
GU112X16G-7900B							With Asian font tables
GU128X32D-7000B	-	128 x 32	3	57.5 x 14.0	98.0 x 31.0	5 V / 280 mA	RS232 serial
GU128X32D-7003B							CMOS serial
GU128X32D-7900B							With Asian font tables
GU128X32D-7050	16 x 2			54.9 x 13.9	80.0 x 36.0	5 V / 290 mA	128 x 32 display in 16 x 2 footprint
GU128X32D-7950							With Asian font tables
GU128X64D-7000	-	128 x 64	3	57.5 x 28.7	99.0 x 49.0	5 V / 330 mA	RS232 serial
GU128X64D-7003							CMOS serial
GU128X64D-7900							With Asian font tables
GU128X64F-7000			5	83.1 x 41.5	137.0 x 68.0	5 V / 1000 mA	RS232 serial
GU128X64F-7003							CMOS serial
GU128X64F-7900							With Asian font tables
GU140X16G-7000B	20 x 2	140 x 16	6	69.9 x 11.5	116.0 x 37.0	5 V / 290 mA	RS232 serial
GU140X16G-7003B							CMOS serial
GU140X16G-7040A						5V / 270 mA	LED backlight
GU140X16G-7900B						5 V / 290 mA	With Asian font tables
GU140X16G-7903							
GU140X16J-7000B							
GU140X16J-7003B			9	102.8 x 18.8	146.0 x 43.0	5V / 500 mA	RS232 serial
GU140X16J-7900B							CMOS serial
New GU140X16J-7900B							
GU140X32F-7000B	20 x 4	140 x 32	5	69.9 x 21.6	98.0 x 60.0	5 V / 400 mA	RS232 serial
GU140X32F-7003B							CMOS serial
GU140X32F-7032						3.3 V / 600 mA	3.3 V
GU140X32F-7050					98.0 x 47.0	5 V / 400 mA	RS232 serial
GU140X32F-7053							CMOS serial
GU140X32F-7900B							With Asian font tables
GU140X32F-7903					98.0 x 60.0		
GU140X32F-7950							
New GU140X32F-7064B	-	140 x 32	5	69.9 x 21.5	120 x 40	5V / 370 mA	40mm PCB height
New GU144X16D-7053B	-	144 x 16	2	57.5 x 29	98 x 23	5V / 220 mA	Compact 23mm PCB height
GU160X32D-7000	20 x 2	160 x 32	2	71.85 x 14.25	116.0 x 36.0	5 V / 360 mA	160 x 32 display in 20 x 2 footprint
GU160X32D-7900							With Asian font tables
New GU160X80E-7900B	-	160 x 80	4	83.1 x 41.5	137 x 68	5V / 800 mA	With Asian font tables
GU256X64C-7000	-	256 x 64	2	83.1 X 20.7	125.0 X 37.0	5 V / 430 mA	RS232 serial
GU256X64C-7003							CMOS serial
GU256X64C-7900							With Asian font tables
GU256X64D-7000			3	115.1 x 28.7	159.0 x 50.0	5 V / 760 mA	RS232 serial
GU256X64D-7900							With Asian font tables
GU280X16G-7000	40 x 2	280 x 16	5	137.1 x 11.0	182.0 x 33.5	5 V / 400 mA	RS232 serial
GU280X16G-7003							CMOS serial

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