Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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3000 SERIES

http://www.noritake-elec.com/3000_series.htm
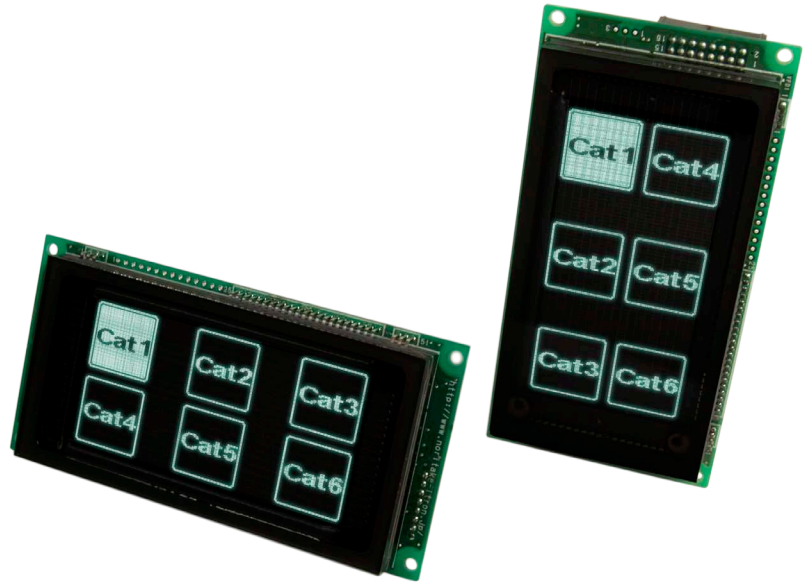
Dot matrix display

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

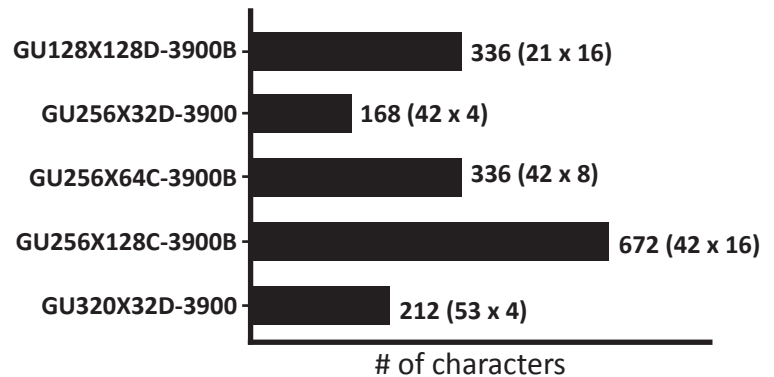## Use it vertically or horizontally

- Display vertically or horizontally using bitmap images.
- Icon or text position can be positioned to match the membrane switch.

More characters

3000 Series offers VFD modules capable of displaying many characters.
- GU128X128D-3900B can display 336 (21 x 16) characters.
- GU256X32D-3900 can display 168 (42 x 4) characters.
- GU256X64C-3900B can display 336 (42 x 8) characters.
- GU256X128C-3900B can display 672 (42 x 16) characters.
- GU320X32D-3900 can display 212 (53 x 4) characters.

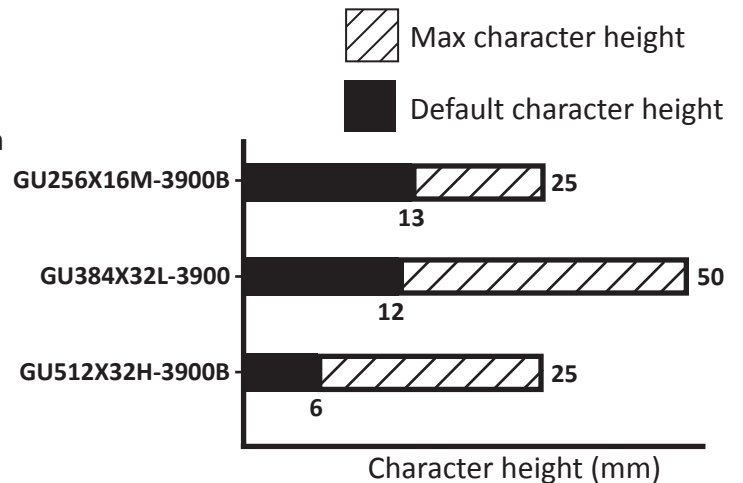| Model	# of characters
GU128X128D-3900B	336 (21 x 16)
GU256X32D-3900	168 (42 x 4)
GU256X64C-3900B	336 (42 x 8)
GU256X128C-3900B	672 (42 x 16)
GU320X32D-3900	212 (53 x 4)

# of characters

Large characters

3000 Series offers VFD modules with larger characters which can be read from further away.
- GU256X16M-3900B, 13 mm character height.
- GU384X32L-3900, 12 mm character height.
- GU512X32H-3900B, 6 mm character height.
3000 Series has multiple font sizes and display even larger characters.

Max character height

Default character height

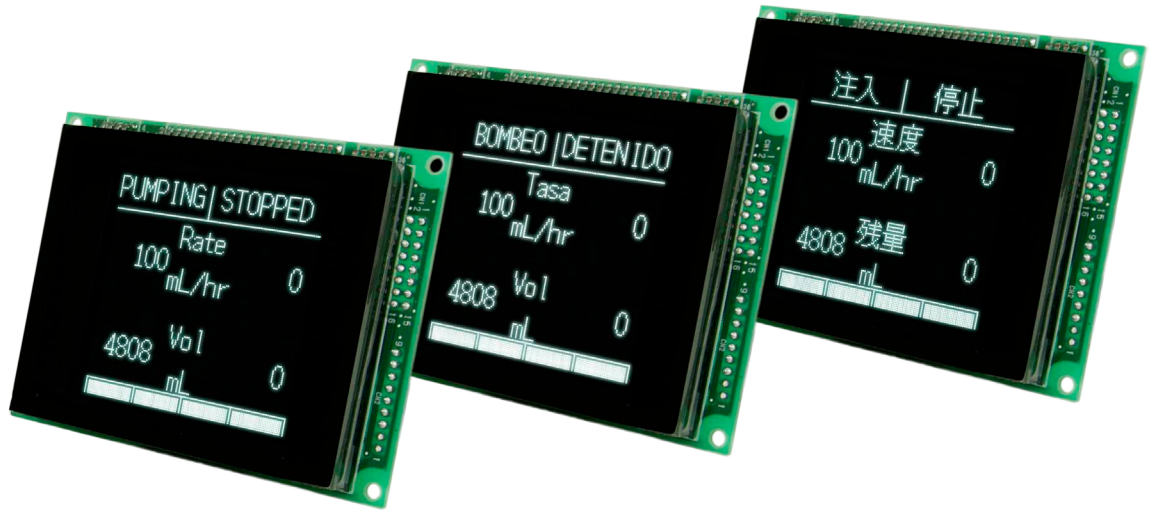| Model	Max character height	Default character height
GU256X16M-3900B	25	13
GU384X32L-3900	50	12
GU512X32H-3900B	25	6

Character height (mm)

More features

- GPIO (General purpose I/O)
- Flash memory.
- Built-in ASCII and international font tables.
- Built-in Japanese, Korean and Chinese font tables.
- LED backlight model GU512X32H-3940
  Emits red, green and blue color with 16 brightness level settings each.

Included font tables
ASCII
Extended ASCII
International
Japanese
Korean
Simplified Chinese
Traditional Chinese

Part Number	Number of Characters	Display Bitmap	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Interface	Power Supply Typical	Notes
New GU128X128D-3900B	21 x 16	128 x 128	3	51.1 x 51.1	96.5 x 75.0	CMOS parallel RS232 async serial	5V / 700 mA	GPIO (General purpose I/O) Flash memory
New GU256X16M-3900B	42 x 2	256 x 16	13	307.0 x 25.4	372.0 x 49.0		5V / 50 mA 24V / 240 mA	
GU256X16M-3900							5V / 80 mA 24V / 270 mA	
GU256X32D-3900	42 x 4	256 x 32	3	115.1 x 14.3	159.0 x 35.0		5V / 450 mA	
New GU256X64C-3900B	42 x 8	256 x 64	2	83.1 x 20.7	133.0 x 38.0		5V / 430 mA	
GU256X64C-3900								
New GU256X64D-3900B			3	115.1 x 28.7	159.0 x 50.0		5V / 850 mA	
GU256X64D-3900								
New GU256X64E-3900B			4	140.7 x 35.1	188.0 x 62.0		5V / 1160 mA	
GU256X64E-3900								
GU256X64F-3101			5	166.3 x 41.5	226.0 x 70.0	USB	24V / 280 mA	USB Flash memory
GU256X64F-3900						CMOS parallel RS232 async serial		GPIO Flash memory
New GU256X128C-3900B	42 x 16	256 x 128	3	83.1 x 41.5	131.0 x 66.0		5V / 850 mA	
New GU256X128D-3900B			3	115.1 x 57.5	170.0 x 90.0		5V / 1200 mA	
GU256X128E-3900			4	140.7 x 70.3	214.0 x 110.0		5V / 100 mA 12V / 1000 mA	
GU256X128E-3910							5V / 100 mA 24V / 380 mA	
GU320X32D-3900	53 x 4	320 x 32	3	143.9 x 14.3	189.0 x 33.0		5V / 480 mA	
New GU384X32L-3900B	64 x 4	384 x 32	12	468.2 x 50.3	551.0 x 91.0		5V / 60 mA 24V / 600 mA	
GU384X32L-3900							5V / 80 mA 24V / 650 mA	
New GU512X32H-3900B	85 x 4	512 x 32	6	307.0 x 25.4	372.0 x 49.0		5V / 50 mA 24V / 240 mA	
GU512X32H-3900							5V / 80 mA 24V / 270 mA	
GU512X32H-3940							5V / 110 mA 24V / 250 mA	LED backlight Flash memory

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E-M-0035-02