



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

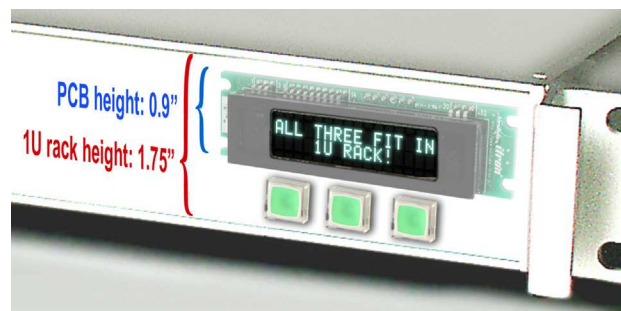


Noritake Compact Products

**FALL RELEASE
IN 2011**

**Actual
Size:**

- Fits in 1U rack (1" height)
- Better readability than LCD
- Less wires with Serial Interface



CU16024-UX3J



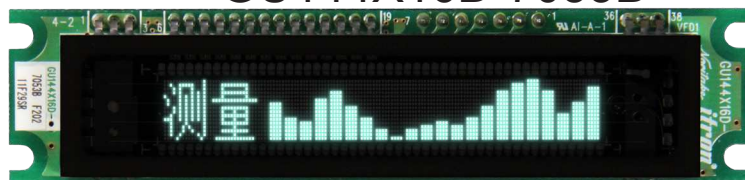
High Brightness
Character display 16X2 (2 lines, 16 characters)
Fits in 3.5" x 1" space

CU20024-UX3J



High Brightness
Character display 20X2 (2 lines, 20 characters)
Fits in 4" x 1" space

GU144X16D-7053B



Graphic display capability 144 x 16 dots
Character display 24X2 (Asian font options)
Fits in 4" x 1" space

Content		CU16024-UX3J	CU20024-UX3J	GU144X16D-7053B
PCB Size		86.6 x 23 mm	98 x 23 mm	98 x 23 mm
Display Area		46.54 x 7.65 mm	58.4 x 7.65 mm	57.45 x 7.85 mm
Dot Pitch		0.43 x 0.53 mm		0.40 x 0.50 mm
Character Format		5x7 dot		Selectable from 5x7, 12x16 dot
Character Size		2.1 x 3.6 mm		1.9 x 3.4 mm (5x7 dot)
Brightness		1000 cd/m ² (Typ.) 2000 cd/m ² (Boost Mode)		1000 cd/m ² (Typ.)
Interface	Serial	Synchronous Serial		Synchronous, Asynchronous, and SPI
	Parallel	Optional		Not available
Temperature Range		-40 to +85 deg. C (Operating) -50 to +85 deg. C (Storage)		-40 to +85 deg. C (Operating / Storage)
Function		HD44780 + Brightness control		Noritake GU7000 + additional commands
Code Library		Noritake CU-U		TBA

Noritake itron
The brighter side of electronics

Noritake Co., Inc.
Electronics Division

Phone: (847) 439 - 9020
support.ele@noritake.com
www.noritake-elec.com

**East Coast
New Jersey Branch**
15-22 Fair Lawn Ave.
Fair Lawn, NJ 07410
Toll free: (888) 296 - 3423
Phone: (201) 475 - 5200
Fax: (201) 796 - 2269

**Midwest, Canada, and Mexico
Chicago Branch**
2635 Clearbrook Dr.
Arlington Heights, IL 60005
Toll free: (800) 779 - 5846
Fax: (847) 593 - 2285

**West Coast
Los Angeles Branch**
21081 S. Western Ave. Ste 180
Torrance, CA 90501
Toll free: (888) 795 - 3423
Phone: (310) 320 - 1700
Fax: (310) 320 - 2900



@Noritake VFD



E-M1-0067-01

More details available at: <http://itron.tv/CDF1>