



**THE DATASHEET OF
CU16029-UW1J**



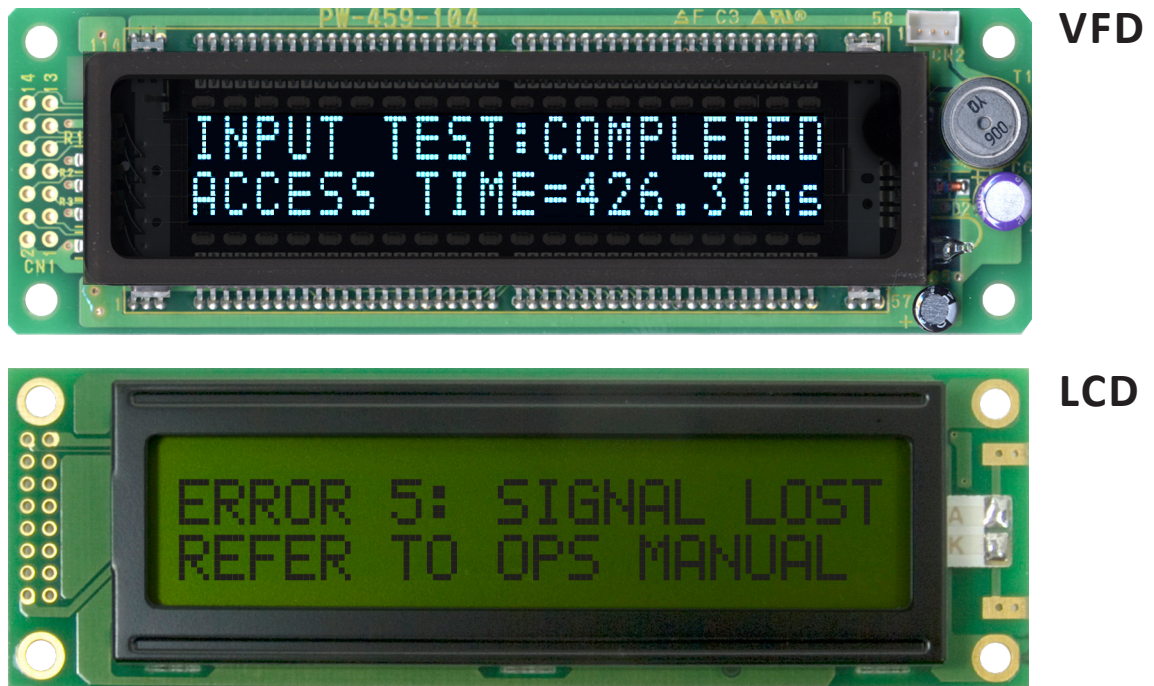
U VERSION

<http://www.noritake-elec.com/uversion.htm>



ISO 9001 and ISO 14000 Certified

Drop-in Replacement for LCD Modules



U Version is LCD compatible Vacuum Fluorescent Display (VFD) module and available in 16×2, 20×2, 20×4, 24×2, 40×2, and 40×4 character format. Compared to LCD, U Version VFD module is a bright and vibrant emissive display which makes it easier to read from short and long distance. U version can also withstand the most demanding environmental conditions.

The U version products will essentially “drop-in” to many of today’s character module application with no mechanical or wiring change.

VALUE ADDED SERVICES

Value-Added-Services is available per your request. We can install a pin-header, change the jumper setting and provide a cable on each model. Color filter option available now. Please consult us for detail.

FEATURES

- LCD Compatible interface (M68 and i80), 4bit or 8bit parallel
- LCD compatible footprint
- Emulate command-set of HD44780 LCD controller
- Wide viewing angle
- Wide operating temperature range (-40 °C to +85° C)
- 5V single power supply
- 4 levels of brightness control by command
- Power Save Mode is available at display-off
- Custom font (up to 8 user definable fonts)
- High brightness
- Serial Interface is available now
- The following feature is available for specific item
- Brightnes boost (200%) capability
- 3.3V power supply

16x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU16025-UW30J	5	51.4 x 11.4	80.0 x 36.0	35	3.3 V / 200 mA	3.3 V power of CU16025-UW6J
CU16025-UW6J	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 150 mA	-
New CU16025-UW6A	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 150 mA	International Font model of CU16025-UW6J
CU16025-UX6J	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 180 mA	Brightness Boost model of CU16025-UW6J
New CU16025-UX6A	5	51.4 x 11.4	80.0 x 36.0	35	5 V / 180 mA	International Font model of CU16025-UX6J
CU16025-UW2J	5	51.4 x 11.4	84.0 x 44.0	36	5 V / 150 mA	-
New CU16029-UW1J	9	82.7 x 19.0	122.0 x 44.0	61	5 V / 340 mA	Replacement for CU16029ECPB-W1J
CU16029ECPB-W1J	9	82.7 x 19.0	122.0 x 44.0	61	5 V / 350 mA	Will be discontinued

20x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
New CU20025-UX1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 210 mA	Brightness Boost model of CU20025-UW1J
New CU20025-UW1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 150 mA	-
CU20025ECPB-W1J	5	70.8 x 11.5	116.0 x 37.0	47	5 V / 130 mA	-
New CU20029-UW1J	9	102.6 x 18.8	146.0 x 43.0	70	5 V / 340 mA	Replacement for CU20029ECPB-W1J
CU20029ECPB-W1J	9	102.6 x 18.8	146.0 x 43.0	70	5 V / 400 mA	Will be discontinued

20x4 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU20045-UW4J	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	Font table is compatible with HD66712
CU20045-UW5J	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	-
CU20045-UW5A	5	70.8 x 20.9	98.0 x 60.0	67	5 V / 250 mA	International Font model of CU20045-UW5J
CU20045-UW7J	5	73.6 x 30.97	100.0 x 61.0	95	5 V / 300 mA	-
CU20049-UW2J	9	99.6 x 37.6	146.0 x 62.5	155	5 V / 650 mA	-
CU20049-UW2A	9	99.6 x 37.6	146.0 x 62.5	155	5 V / 650 mA	International Font model of CU20049-W2J

24x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
New CU24025-UW1J	5	85.2 x 11.5	125.0 x 36.0	47	5 V / 165 mA	Replacement for CU24025-ECPB-W1J
CU24025ECPB-W1J	5	85.2 x 11.5	125.0 x 36.0	50	5 V / 155 mA	Will be discontinued

40x2 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU40025-UW6J	5	138.8 x 11.5	182.0 x 33.5	76	5 V / 300 mA	-
CU40025-UW6A	5	138.8 x 11.5	182.0 x 33.5	76	5 V / 300 mA	International Font model of CU40025-UW6J

40x4 Format

Part Number	Character Height (mm)	Display Size (mm)	PCB Size (mm)	Weight (g)	Power Supply	Notes
CU40045-UW1J	5	137.4 x 23.2	190.0 x 54.0	140	5 V / 520 mA	-

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