Product End of Life Notification

EOL No: 2007-11-16-01
Report Date: November 16, 2007
Subject: MX Series End of Life

List of Products to be Obsolete :
MX Series (and their variants)

MX2 (20 x 2 LCD)	MX4 (20 x 4 LCD)
MX3 (20 x 2 VFD)	MX5 (20 x 4 VFD)

The successful long run of the MX Series is unfortunately coming to an end. Matrix Orbital is now offering a more standard product line, with added features and upgraded firmware. We now introduce the line of -25-USB displays which come in 20 x 2 and 20 x 4 sizes, in both VFD and LCD display technologies.

Introducing New Products:

LK202-25-USB	available in a variety of colours and LCD technologies
LK204-25-USB	
VK202-25-USB	variety of filters are available for these displays
VK204-25USB	

The new USB display modules do not come in a package. The usual package that the MX Series came with included:
- display module (-24-USB)
- USB cable
- bay insert
- 1 LCDC (software) license

The preceding list of items will have to be purchased separately as users' application requires. LCDC will not be sold by Matrix Orbital, users can get them directly from LCDC: http://www.lcdc.cc

Module Feature Comparison:

	MX Series		New -25-USB Modules
	MX2/MX3 Series	MX4/MX5 Series	
GPO	3	3	6
Advanced GPO	3	4	0
Dallas 1-Wire Interface	4	6	1
Keypad Interface	up to 24	up to 24	up to 25

Schedule of Change:
The new -25-USB displays are available as of November 1, 2007.
We are looking at April 2008 when we completely phase the MX Series out.

Last date we will accept purchase orders/e-commerce orders for these products: April 10, 2008

Last date we will be delivering purchase orders/e-commerce orders for these products: May 1, 2008. All deliveries must be taken by May 1, 2008.

Moving from the MX Series to the new -25-USB Displays
We at Matrix Orbital are more than happy to assist users to have smooth transition from the old MX Series to the new -25-USB display modules. We highly recommend, in the next few months, that users explore the possibilities of incorporating the use of these new display modules in place of the ones that are phasing out.

We reserve the right against any replacements in the case the users continue to acquire the MX Series that will need repair, even if they are under warranty. If an MX Series display will have to be replaced for it can not be repaired anymore, the same size new -25-USB displays will have to be taken as replacements.

Hardware Changes:
Aside from those listed in the Module Feature Comparison table, other hardware changes between the old and the new USB display modules are:

1. USB connector. The -24-USB display modules use the USB-B connector, while the new -25-USB displays use the mini USB-B connector.
2. The alternate (optional) USB connector. The -24-USBs had a **1x5** alternate connector; the -25-USBs have **1x4** alternate connector. The new displays can now accommodate locking or keyed connectors. Pinout for the alternate USB connector:

Alternate USB Connector	-24-USB	-25-USB
1	+5V	GND
2	D-	D+
3	D+	D-
4	clipped pin (key)	+5V
5	GND	none

3. RX/TX LED headers. These are no longer available in the new -25-USB display modules.
4. Electronic components. The USB chipset, the micro controller and other passive components used are different on the new -25-USB display modules.
5. The keypad connector. This connector has now been standardized; the rows and columns location are different on the new -25-USB display modules.
6. Physical location of the connectors. All locations of the connectors have now been standardized as well (for consistency of our display modules).

Firmware Changes:
The new -25-USB display modules have lots of new commands and functional features that are standard across all our other alphanumeric displays.

Please see the manuals for details: http://www.matrixorbital.ca/manuals/

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	November 16/07	R. Malinis
1.1	Under Hardware Changes, item 4 is deleted – re: Dallas 1-Wire interface connector	November 22/07	R. Malinis
1.2	Dates have been added for last date of order and deliveries	November 26/07	R. Malinis
1.3	Details on alternate USB connection added. Hardware Changes, item 2	January 9/08	R. Malinis

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Reference Documents/Attachments:

Location: http://www.matrixorbital.ca/manuals/

Approvals:

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