

## END OF LIFE PRODUCT NOTIFICATION SYSTEMS & MODULES

**NOTIFICATION DATE: February 16, 2010**

**This notification is to announce that the following product(s) has reached the end of its lifecycle.**

PRODUCTS AFFECTED:	PART NUMBERS: (x = all available versions)
I/O and COMs card product line	PCI-422/485-21 PCI-ICOM422/4 PCI-422/485-2 PCI-ICOM485/4 PCI-RS422 PCI-RS422I FASTCOM422/2UPCI FASTCOM422/4UPCI UC232PCI/2-55 COMM232PCI/2-55 UC232PCI/2-85I UC422PCI/4-55 UC232PCI/4-85 WINCOMM8+8-PCI COMM232PCI/2-85 UC422PCI/4-85 WINCOMM8/PCI-89 WINCOMM8/PCI-55 WINCOMM8/PCI-59 WINCOMM8/PCI-85 PCI-COM-8-ULP PCI-COM422-8ULP PCI-COM485-8ULP PCI-COM232-8ULP UPCI-COMM4/EX-555-LP 7406-DB9-S UPCI-COMM4/EX-559-LP RS422AT-PA RS422I-PA ULTRA-485 SPRT2B/AT DUAL232/AT ULTRA-485/2ISO WINCOMM8/C UCOMM422/4A FASTCOM422/2ISA

**KONTRON AMERICA**

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L4-0400 07/17/09

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	HS-RS232/DP-850 COMM4AT/EX-DB9 WINCOMM8/C-89 HS-RS232/DP COMM4AT/EX WINCOMM4 ULTRA-485/850 U485/2ISO-850 WINCOMM8/C-85 FASTCOM232/8ISA 104-COM8/MI 104-COM8/MI-E2 104-422/485-2I SPRT2/104 104-COMM232 FP104/232 104-FP422/485+ FP104/232/EXT 104-FP232/422+ 104-ULTRA485+ USB-RS422/485 USB-COMM232 USB-ULTRA485 USB-COMM232I USB-ULTRA485I USB-COMM232/2 USB-UC422/2 USB-UC232/2 USB-COMM232/4 USB-UC422/4 USB-UC232/4 USB-COMM232/8 USB-UC422/8 CONV422/DB9 CONV485/DB9 PCI-ACB FASTCOMESCC/LPCI-335 FASTCOM-SUPERFSCC SUPERFASTCOM232 FASTCOMESCC/UP SUPERFASTCOM422
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	PC-ACB/MP ACB/104 SUPERFAST2-104 FASTCOMESCC104E SUPERFASTCOM-CP CA37-1 C1800Y CAB50-6 CAB50A-3 CAB50A-6 CAB50-10 C34FF36D37 C1801 CAB78-37/2F ML-16TK UTB-B UTB-K UTB ADAP37 STB50 ADAP50 STB37 PIOD24 RB-08A/DP RBAC-24 RBAC-24/DP RB-24 RB-24/DP PCI-16REL PCI-DIO32 PCI-16ISO PCI-32REL (Std. M/M Cable) PCI-DIO32-24-S PCI-32REL-B (A-side/B-side F/F) PCI-DIO32-SS PCI-DIO32-EM DIO24H-PCI PCI-DIO24HD/CT PCI-DIO24DB/CT PCI-DIO24DB PCI-DIO48S
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	PCI-DIO24HD PCI-DIO48 PCI-DIO72 PCI-DIO96 PCI-DIO24S PCI-DIO120 PCI-DIO8 UPCI-DIO16-LP DIO48I/28 DIO48I/60 DIO48S/AT-P DIO48SI/28 DIO48SI/60 DIO32I/28 DIO16I/28 DIO16SI/28 DIO16I/60 DIO16SI/60 IDO16 IDO32 IDO48 DIO32B 16ISO 16REL DIO16 32REL-B USB-DIO32-CTR USB-DIO32 USB-DIO16 USB-16REL USB-16ISO USB-DIO8 USB-DIO96 USB-DIO48 104-DIO48 104-DIO24 104-16ISO 104-DIO24S 104-DIO48S 104-DIO8 104-DIO32-EM
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	PCI-AOB2 PCI-AOB4 PCI-AOB6 PCI-AOB8/12 PCI-AOB16/12 PCI-AI/1216 PCI-AI/1216M AOB16/16 AIO8-P AIO16-P AT16-P AOB6-P AIO16F-P AT16DC-P ML16-P ADIO1600 AD12-8 AIO8G-P AOB8/12 AOB8/16 104-ADIO16/16 104-ADIO128 104-AOB4/12 104-AD128 PAD128 ATI16DCI-P WDT500-P WDT501-P ECIK-2000 ECIK-2001 RDIO24 RB-08A PCI-WDT500 PCI-WDT501 WDT1000-P ECIK-PCI/ISA-2 WDT1001-P RAD128 FASTCOMENET-KIT RPI8S-232/422R ROCKET/UPCI-32R
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	RPI8-232/422-R RPI16-232/422-R RPI16-232-R ROCKET/UPCI-16-R RPI16S-232/422-R UPCI/QUAD-DB9-R UPCI/OCT-DB25-R UPCI/OCT-DB9-R UPCI/QUAD-DB25-R ROCKET/UPCI-4J-R ROCKET/UPCI-8J-R ROCKET/UPCI-8-R UPCI/OCT-422P-R UPCI/OCT422-232-DB9-R
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<b>LAST TIME BUY:</b>	8/31/2010	<b>LAST TIME DELIVERY:</b>	12/31/2010
<b>PRODUCT MANAGER:</b>	Nancy Pantone	<b>DIVISION / LOCATION:</b>	Systems - Poway

**EXPLANATION:**

This product line is being discontinued due to a shift in product line strategies which has reduced demand for this line over the last 18 months. Additionally the trend is to include I/O capabilities within the board products eliminating the need for add-in I/O cards for newer designs. If customers desire continued supply they should be referred to our suppliers: SEALEVEL <http://www.sealevel.com/> and Acces I/O <http://www.accesio.com/>.

Sales must notify customers of the EOL. JDE and SAP files are attached to show impacted customers. Some products were never moved to the SAP system since there has been no demand for those products. Where used analysis is also attached for Sales use.

**LAST TIME BUY (LTB):**

Last Time Buy is a service extended to our customers who acknowledge the end of life (EOL) notice by placing orders for a final quantity of material. This additional material would be used to cover future requirements that the customer may need to plan for. The LTB date is the deadline or cutoff date to have received a LTB purchase order (PO).

**NOTE: All LTB orders are NON-CANCELLABLE AND NON-RETURNABLE.**

In addition products purchased on a LTB are allocated on a first come, first serve basis. To ensure availability please make sure to place any LTB PO's as soon as possible.

**LAST TIME DELIVERY (LTD):**

Last Time Delivery is the deadline date for shipping product based on a customer's LTB PO. The customer must take receipt of LTB material on or before this date.

**POSSIBLE REPLACEMENT(S):**

When a product becomes EOL it is our commitment to offer our customers a migration path. Whenever possible we will provide product recommendations based on feature sets that are parallel to and / or upgrades from the customer's current solution.

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Part Number	Part Description	Additional Info	Date Available
N/A			

### SPECIAL FEATURES AND/OR ADVANTAGES OF REPLACEMENT PRODUCT(S):

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- Refer customers to vendors for replacements and continued supply after the last time buy.
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### PRODUCT LIFE CYCLE POLICY

It is the goal of Kontron America to provide customers with a consistent, reliable, and quality product at the lowest cost as long as there is customer demand and parts are available. This is typically a minimum of five years. For this reason, Kontron America takes great care in the selection process of suppliers and components. Components are selected based on features, market acceptance, and the approval of the vendor.

Despite a company's best efforts, there may be the need to modify a product. This may be the result of a component prematurely becoming obsolete, an enhancement that is desired by the market, or a correction to a problem. In the event that it is necessary to designate a product for End-Of-Life, Kontron has defined the following options.

### PRODUCT MIGRATION OPTIONS

In the event that certain Kontron America embedded computer products are affected by a supplier's announced plan to eliminate (obsolete) several parts from its Division. The Kontron America product(s) using those parts included in the suppliers' action would be rendered obsolete in turn. Such product(s) would be identified and considered to be in the End-Of-Life (EOL) phase of the product lifetime cycle.

To minimize or eliminate the problems that an EOL product would have on our customers, Kontron America offers several product migration options. These migration options include product upgrades, replacements, and continuation of supply. Not all options may be available for a given Kontron America product, but Kontron America will always work with its customers to find an acceptable solution, determining the right option or combination of options, for each customer's individual needs.

### PARALLEL REPLACEMENT

Typically, a product of equal performance and features is available as a replacement for a product at EOL. These products may have been developed in anticipation of, or insurance against, a component becoming obsolete, or as part of a normal product redesign cycle to take advantage of newer or more economical technology. Kontron America is actively committed to making its products more attractive, effective, and economical. Products are routinely reviewed for possible redesign to achieve this, insuring the high probability of suitable replacement products.

### UPGRADE REPLACEMENT

Most Kontron America product families include several products covering a wide range of performance and feature options. If a particular product line member enters EOL, there is almost always a higher performance product available (or planned) in the product line that can be used as a replacement. Kontron America product families are constantly growing, capturing new technology that extends the performance range of the line. This process insures the high probability of suitable upgrade products.

### ALTERNATIVE REPLACEMENT

Many Kontron America product families have members that are quite similar in performance and features, but differ in form factor. It is possible, if the mechanical integration issues can be easily overcome, that a given customer application can take advantage of a similar product in another family. Alternative replacements may even be a desirable path to capture new technology or other benefits, such as a reduction in size.

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### CONTINUATION OF SUPPLY

Continuation of Supply refers to an agreement between the customer and Kontron America that Kontron America will manufacture a product in its current form for a period of time. The agreement is based on an estimate by the customer of annual volume requirements and the projected lifetime of their product. In its simplest form, Kontron America pre-builds and ships the entire estimated requirement of EOL product at once. In other circumstances, Kontron America and the customer agree to a manufacturing schedule and the responsibility of stocking raw components and/or finished goods.

The Continuation of Supply agreement must address the need of a continued supply of components necessary to manufacture a Kontron America product over the required period of time. Continued supply of EOL components can be accomplished in two ways:

1. *Kontron can pre-purchase the EOL components before the vendor's "last buy" date.*
2. *The customer can pre-purchase the EOL components before the vendor's "last buy" date.*

Pre-purchased parts can be stocked by Kontron America or by the customer, and used to manufacture Kontron America product over the required period.

The customer and Kontron America may choose to pre-build the entire required amount of product. Finished product can be stocked at Kontron and shipped as needed. All orders related to Continuation of Supply that are placed with Kontron America are non-cancelable, non-returnable (NCNR).

### THE COMPLETE SOLUTION

An optimum solution may include one or more migration options, particularly if a suitable parallel or upgrade replacement will not exist until sometime in the future. In this case, a Continuation of Supply agreement coupled with a future replacement is the best solution.

Whenever a replacement product is used as an option, it is important that the new product be thoroughly tested and verified in the customer's application. Kontron America is committed to work with its customers to insure a smooth transition to a new product. This is a necessary part of the complete solution.

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