Moxa Inc.
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Product Discontinuance Notification- PDN # 0000279961

1st August 2018

Dear Valued Customer:

The purpose of this letter is to inform you that Moxa is planning to discontinue ioPAC 8020 series products. Please review the detailed information given below to determine how these discontinuances will affect your products and/or processes. If you have any questions regarding these changes, please contact the person listed below.

Subject:
The ioPAC 8020, RM, KM series will be phased out in the near future.

Service Level: Basic

Effective Date:
The ioPAC 8020, RM, KM series will be discontinued from August 1st, 2018.

Last Buy Date:
Last buy orders must be received before July 31st, 2019.

Moxa Part Numbers/Model Names:

	To Be Discontinued	Recommended Replacement Products
Item	Model Name	Model Name
1	ioPAC 8020-5-RJ45-C-T	ioPAC 8600-CPU30-RJ45-C-T ioPAC 8600-PW10-15W/30W-T ioPAC 8600-BM005-T
2	ioPAC 8020-5-M12-C-T	ioPAC 8600-CPU30-M12-C-T ioPAC 8600-PW10-15W/30W-T ioPAC 8600-BM005-T
3	ioPAC 8020-9-RJ45-C-T	ioPAC 8600-CPU30-RJ45-C-T ioPAC 8600-PW10-15W/30W-T ioPAC 8600-BM009-T
4	ioPAC 8020-9-M12-C-T	ioPAC 8600-CPU30-M12-C-T ioPAC 8600-PW10-15W/30W-T ioPAC 8600-BM009-T

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5	RM-1050-T	86M-1832D-T
6	RM-1602-T	85M-1602-T
7	RM-2600-T	85M-2600-T
8	RM-3802-T	85M-3800-T
9	RM-3810-T	85M-3810-T
10	RM-7001-T	86M DIO module support channel LED
11	KM-2430-T	TN-5305 Series: railway unmanaged switch
12	KM-2401-T	85M-5401-T
13	KM-2231-T	86M-5212U-T

Change Description:

The ioPAC 8020 series is being discontinued due to the discontinued supply of critical component and the ioPAC product line migration. Please refer to the following table for the detailed product specification comparison.

System:

Item	ioPAC 8020 series	ioPAC 8600-CPU30 series ioPAC 8600-PW10 series ioPAC 8600-BM series
CPU	32-bit ARM9 160 MHz CPU	32-bit Cortex-A8 1 GHz CPU
OS	Linux Kernel 2.6.9	Real-time Linux Kernel 4.1.15 - rt17 (PREEMPT_RT)
Clock	Real-time clock with battery backup	Real-time clock with super capacitor (retains charge for 7 days)
SDRAM	64 MB	512M DDR3(L)
Storage	32 MB Flash	4 GB eMMC (1.7 GB reserved for the user)
Input Voltage	12 to 36 VDC	24 to 110 VDC (16.8 to 154 VDC)

For changing from ioPAC 8020 series to ioPAC 8600 series, there are two changes for the program to be made and confirmed:

1. The program which runs on ioPAC needs to be compiled again with the updated toolchain.
2. Due to the OS update, if the program use Linux system tool such as scheduling, FTP, etc., please check if the re-compiled program's behavior regarding this part needs to be adjusted.

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I/O Modules:

Item	RM-1050-T	86M-1832D-T
Digital Inputs	10 channels, 110 VDC	8 channels, 24VDC, channel LED
Isolation	Channel-to-channel: 2.5k VDC To system: 3k VDC or 2k Vrms	Channel-to-channel: 1k VDC To system: 3k VDC or 2k Vrms
Type	Sink, Source	Sink, Source
Logic definition	• On: 50 to 175 VDC • Off: 0 to 15 VDC	• On: 10 to 30 VDC • Off: 0 to 3 VDC

Item	RM-1602-T	85M-1602-T
Digital Inputs	16 channels, 24 VDC	16 channels, 24 VDC
Isolation	To System: 3k VDC or 2k Vrms	To System: 3k VDC or 2k Vrms
Type	Sink, Source	Sink, Source
Logic definition	• On: 10 to 30 VDC • Off: 0 to 3 VDC	• On: 10 to 30 VDC • Off: 0 to 3 VDC

Item	RM-2600-T	85M-2600-T
Digital Outputs	16 channels, 24 VDC	16 channels, 24 VDC
Isolation	To System: 3k VDC or 2k Vrms	To System: 3k VDC or 2k Vrms
Type	Sink	Sink
Current Rating	200mA per channel	200mA per channel

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Item	RM-3802-T	85M-3800-T
Analog Inputs	8 channels, 4-20 mA	8 channels, 4-20 mA
Resolution	16 bits	16 bits
Accuracy	±0.1% FSR @ 25°C ±0.3% FSR @ -40 and 75°C	±0.1% FSR @ 25°C ±0.3% FSR @ -40 and 75°C
Sampling Rate	• All channels: 12 samples/sec • Per channel: 1.5 samples/sec	• All channels: 100 samples/sec • Per channel: 12.5 samples/sec

Item	RM-3810-T	85M-3810-T
Analog Inputs	8 channels, 0-10V	8 channels, 0-10V
Resolution	16 bits	16 bits
Accuracy	±0.1% FSR @ 25°C ±0.3% FSR @ -40 and 75°C	±0.1% FSR @ 25°C ±0.3% FSR @ -40 and 75°C
Sampling Rate	• All channels: 12 samples/sec • Per channel: 1.5 samples/sec	• All channels: 100 samples/sec • Per channel: 12.5 samples/sec

Item	KM-2401-T	85M-5401-T
Interface	4 RS-232/422/485 ports, software selectable (DB44 female)	4 RS-232/422/485 ports, software selectable (DB44 female)
Isolation	To System: 3k VDC or 2k Vrms	To System: 3k VDC or 2k Vrms

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Item	KM-2231-T	86M-5212U-T
Interface	2 2-wire Ethernet ports	2 2-wire Ethernet ports
Isolation	To System: 3k VDC or 2k Vrms	To System: 3k VDC or 2k Vrms
Standards	100BASE-TX IEEE 802.3u 10BASE-T IEEE 802.3 100 Mbps BroadR-Reach® 10 Mbps BroadR-Reach®	100BASE-TX IEEE 802.3u 10BASE-T IEEE 802.3 100 Mbps BroadR-Reach® 10 Mbps BroadR-Reach®

Recommended Replacement Products Delivery Schedule:

The ioPAC 8600, 86M, 85M series products are available now.

Note:

1. If need any of these discontinued products for an existing project, please contact your Moxa sales representative to place orders before July 31st, 2019.
2. All service rules (e.g., warranty) still apply to discontinued products.

Note: If you have questions, please contact chase.shih@moxa.com or your regional sales contact.