

# Selected Transmission, Distribution and Industrial Protection and Control Product Models, Firmware / Software Versions

## End-of-Manufacturing Notice

Issue Date: April 5<sup>th</sup>, 2017

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### Background

GE Grid Solutions is committed to customer care and the support of our products. As part of this commitment, GE strives to design high quality products, provide knowledge support teams, and to communicate the availability of new features or products as well as the pending discontinuation of manufacturing for older products or design variants.

GE Grid Solutions is discontinuing the manufacture and sale of several legacy models, and a number of MiCOM and Multilin firmware versions, as described in the pages that follow.

### We confirm that the following products have been discontinued:

**MiCOM, MiDOS and iSTAT:** The following products have been discontinued: **MiCOM E124, P391 Design suffix A, P594, AGILE P04A, MVAW 5KV models and M2x3 display option.** This notice does not apply to any other model not explicitly listed.

**SAS/D400:** The following products have been discontinued: D400 COM2 port adapter parts numbers **520-0219 & 520-0219LF.** This notice does not apply to any other model not explicitly listed.

**MLJ, TOV:** The following products have been discontinued: **MLJ** and **TOV.** This notice does not apply to any other model not explicitly listed.

**MiCOM:** Older software versions have been discontinued due to newer version availability. Discontinuation applies to the following products only: **MiCOM P141/2/3/5 SW42 and SW51 (with IEC-103 protocol only), P441/2/4 SW31.** Later software releases continue in our portfolio.

**MULTILINK:** The following Ethernet switch models have been discontinued, replaced by our Reason range of switches: **ML800, ML1600 and ML2400.** This notice does not apply to any other model not explicitly listed.

**REASON:** The following older variants have been discontinued; **T1000 firmware 01, MU320 firmware 01** and analog input options **1 & 5, RT430/RT431/RT434** antenna option **1** and **RT431 hardware design A**. This notice does not apply to any other model not explicitly listed.

**LEGACY:** The following older variants have been discontinued; **CDG16/36, CDV62, CTU15M ID case, VAG 1D case, VTT 1D case, VAJHM33/53, VAJSM43, VAM, MVAJM13/15 and MVAJM24/45**. This notice does not apply to any other model not explicitly listed.

**EPM Meter:** The **GE EPM 9900** meter has been discontinued due to an enhanced product replacement available with the **GE EPM 9900P (Plus)** meter. This notice does not apply to any other model not explicitly listed.

**The following products are planned to be discontinued at the last order dates shown in the tables below:**

**MIDOS, MiCOM and iSTAT:** The following products are being discontinued: **MIDOS MVAJ17, MVAJ24, MVAJ28, MVAJ29 and MVAJ31**. This notice does not apply to any other model not explicitly listed.

**MODULEX 3:** The **entire Modulex family** has been discontinued due to newer product replacements being available typically in the P40 Agile and Multilin 3-series ranges.

**UR:** Selected UR **firmware version branches in firmware version 4.xx, 5.xx and 6.xx** are being discontinued due to newer firmware availability. See Tables 1 and 2 below for the details.

This notice applies to the following products: UR B30, B90, C30, C60, C70, D30, D60, F35, F60, G30, G60, L30, L60, L90, M60, N60, T35 and T60.

**239, 735, 737:** The following products are being discontinued: **239, 735 and 737** due to newer product replacements being available in the **Multilin 3-series & 8-Series** ranges. This notice does not apply to any other model not explicitly listed.

**650:** Display options with RS232 (Order codes \*650\*\*\*F\*G\*\*\*\*) are being discontinued for the C650, F650, G650, and W650 due to component availability and the alternate display options already available in the 650 range. This notice does not apply to any other model not explicitly listed.

**MII Family:** The following products are being discontinued: **MIFII, MIGII, MINII, MIVII and MIWII** due to newer product replacements being available in the **Multilin 3-series & 8-Series** and **P40 Agile** ranges. This notice does not apply to any other model not explicitly listed.

**FM2 and SM2:** The following products are being discontinued: **FM2 and SM2**, replaced by the **Multilin 350**. This notice does not apply to any other model not explicitly listed.

## End-of-Life Notice

**REASON:** The following older variants are being discontinued; **RPV311 firmware 11 & 12, RT430/RT431/RT434 firmware 5 & 6. T1000** replaced by the **S20 switch. RT430 Hardware A (GPS only)** replaced by the **RT430 hardware B (GPS/GLONASS). S20 firmware versions 02, 03 and 04. MU320 firmware version 02.** This notice does not apply to any other model not explicitly listed.

**LEGACY:** The following older variants are being discontinued; **VAJC11, MVAJM14, VAX21 and VAX31 (old variants).** This notice does not apply to any other model not explicitly listed.

In accordance with our obsolescence policy, GE is offering a last buy opportunity for most of the models, as well as ongoing support.

*Customers who wish to migrate or extend their existing installed base of products as referenced in this notice are recommended to transition to the alternative products shown, which provide considerable advances in protection, control, automation and communications functionality. Such a transition allows users to benefit from later and more current hardware technology and new firmware features.*

## Last-Time Buy Window

**The table which follows outlines the strategy for all affected products - within your organization please plan now the purchase of any additional or spare devices that you feel you may need.** The last-time buy window is open as of the date of this notice. Such orders should be routed to us prior to the date shown, with the last dispatch date expected no later than 3 months beyond the date quoted in the table.

## Support Timeframe

GE is committed to supporting our customers' protection and control needs. GE's warranty provision is unaffected by this End of Manufacturing Notification. After the published date(s), a spares and repairs service will be maintained, which extends to repairing failed components and modules, but not to providing a newly-produced finished identical product, or new module as a replacement/spare. Caveat

Customers should contact GE if they need further information concerning the level of service that is provided on a per product basis.

## Recommended Alternative Products

Visit our website at <http://www.gegridsolutions.com/multilin/selector/> for more information about alternative products.

## For Additional Information

Please note that this notice does not show the status of all products – for products which had already passed their last order date in any previous notice, their status is not repeated here. If any of our engineers can provide assistance with migration to new products, please contact us for help.

Advice and assistance is also available via our Contact Center:

<http://www.gegridsolutions.com/AlstomEnergy/grid/microsites/grid/contact-us/index.html>

Table 1: OBSOLETION DATES: ORDER BOOK CLOSED

Product	Last Order Date Last Delivery Date Ordering Status	Replacement
<b>MIDOS, MiCOM and iSTAT</b>		
P04A – MU Agile analog merging unit	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	Reason MU320 process bus analog merging unit, Hardfiber brick
P391 Design Suffix A	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	P391 Design Suffix B with enhanced front cover
P594	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	Reason RT series of precision time synchronizing
M2x3 option for red/black display	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	Standard option will be green/black only, or EPM 6000
E124	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	
MVAW 5KV models	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	
<b>SAS/D400</b>		
520-0219 D400 COM2 Port Adapter	31 <sup>st</sup> October 2016 31 <sup>st</sup> January 2017 <b>Order Book Closed</b>	520-0218LF Redundant TP Ethernet + COM2 Port Adapter Card. See bulletin PRBT-0365 for details
520-0219LF D400 COM2 Port Adapter, Lead Free	31 <sup>st</sup> October 2016 31 <sup>st</sup> January 2017 <b>Order Book Closed</b>	520-0218LF Redundant TP Ethernet + COM2 Port Adapter Card. See bulletin PRBT-0365 for details
<b>MLJ, TOV</b>		
MLJ, TOV	<b>Order Book Closed</b>	350 See GER 4743 issued April 15, 2016
<b>MiCOM</b>		
P141-P142-P143-P145 Software 42, 51 (IEC-103 ONLY)	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	P141-P142-P143-P145 Software 51, 61
P441-P442-P444 Software 31	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 <b>Order Book Closed</b>	P441-P442-P444 Software 61, 71, 82.

<b>Product</b>	<b>Last Order Date Last Delivery Date Ordering Status</b>	<b>Replacement</b>
<b>UR</b>		
UR firmware versions: <b>4.00 to 4.93, 5.00 to 5.47, 5.50 to 5.53, 5.60, 5.70, 5.80, 5.90, and 5.91</b>	<b>Order Book Closed</b>	UR firmware versions: 6.05, 7.01 or later
<b>MULTILINK</b>		
MultiLink <b>ML800</b>	<b>31<sup>st</sup> October 2016 31<sup>st</sup> January 2017 Order Book Closed</b>	MultiLink ML810 and H38/H39
MultiLink <b>ML1600</b>	<b>31<sup>st</sup> October 2016 Order Book Closed</b>	MultiLink ML1200 and Reason S2020
MultiLink <b>ML2400</b>	<b>31<sup>st</sup> October 2016 31<sup>st</sup> January 2017 Order Book Closed</b>	MultiLink ML3000, Reason S2020 or S2024G
<b>REASON</b>		
Reason T1000, Firmware <b>01</b>	<b>31<sup>st</sup> October 2016 31<sup>st</sup> January 2017 Order Book Closed</b>	Firmware 02
Reason MU320, Firmware <b>01, Analog Inputs Option 1 &amp; 5</b>	<b>31<sup>st</sup> October 2016 31<sup>st</sup> January 2017 Order Book Closed</b>	Firmware 02
Reason RT430, RT431 and RT434 <b>Antenna option 1</b>	<b>31<sup>st</sup> July 2016 30<sup>th</sup> October 2016 Order Book Closed</b>	Antenna option 2 onwards
<b>LEGACY</b>		
<b>CDG16/36</b>	<b>June 2016 September 2016 Order Book Closed</b>	CDG11/31, P154, 350, P14N
<b>CDV62</b>	<b>June 2016 September 2016 Order Book Closed</b>	P14x, P14D, P34x, 489, G30, G60, 889
<b>CTUM15</b> (1D case)	<b>June 2016 September 2016 Order Book Closed</b>	CTUM15 standard models, P14N
<b>VAG</b> (1D case)	<b>June 2016 September 2016 Order Book Closed</b>	VAG standard models
<b>VTT</b> (1D case)	<b>June 2016 September 2016 Order Book Closed</b>	VTT standard models, MVTT
<b>VAJHM33/53</b>	<b>Order Book Closed</b>	MVAJM13, MVAJM15/25 or MVAJ103
<b>VAJSM43</b>	<b>Order Book Closed</b>	MVAJM11

Product	Last Order Date Last Delivery Date Ordering Status	Replacement
VAM semaphore Indicator	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 Order Book Closed	
MVAJM13/15 with 8 contacts	31 <sup>st</sup> December 2016 31 <sup>st</sup> March 2017 Order Book Closed	MVAJM13/15 with 10 contacts
MVAJM25/45 with 8/16 contacts	Order Book Closed	MVAJM15/25 with 10/20 contacts
<b>Distribution &amp; Industrial</b>		
EPM 9900	Order Book Closed	EPM 9900P (Plus)

Table 2: OBSOLETION DATES: PLANNED

Product	Last Order Date Last Delivery Date	Replacement
<b>MIDOS</b>		
MVAJ17, 24, 28, 29, 31	31 <sup>st</sup> March 2017 30 <sup>th</sup> June 2017	MVAJ05x/10x/20x range of tripping relays
<b>MODULEX</b>		
Modulex MX3AJ30A and F	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P40 Agile, P14x, P34x
Modulex MX3AJM	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P241
Modulex MX3AM0A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA, P14DB or P14NB
Modulex MX3AM30A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14NB or P154
Modulex MX3AMD0A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA or P14DB
Modulex MX3AMD016A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA or P14DB
Modulex MX3AMD3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA or P14DB
Modulex MX3AMD20A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA or P14DB
Modulex MX3AMD30A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DA or P14DB
Modulex MX3DPG3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P343, P652 or Multilin 889
Modulex MX3DPT3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P642, P652 or Multilin 345

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Product	Last Order Date Last Delivery Date	Replacement
Modulex MX3DVZ3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P141-P145 with buswire supervision, MCAG34, MFAC34
Modulex MX3EG1A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DG, P14x
Modulex MX3EG1A.12H2S	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DG, P14x
Modulex MX3EG2B	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DL or P94VP
Modulex MX3EG2B.12H2S	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14DL or P94VP
Modulex MX3IPD	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P40 Agile, P14x
Modulex MX3IPG1A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P342
Modulex MX3P3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P14x
Modulex MX3R1A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P94VR
Modulex MX3VIC30A & F	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P94VB, P34x
Modulex MX3VIR016B	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P94VB
Modulex MX3VIR30A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P94VB
Modulex MX3DPT3A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P642, P652, SR345
Modulex MX3IPG2A + Modulex X2/IPG2A	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	P342, P343, P344, P345, P346 + P391 or G60 + GPM-F
Modulex X3/DVZ3R	31 <sup>st</sup> January 2017 30 <sup>th</sup> April 2017	Metrosils and stabilizing resistor available with MCAG/MFAC and MiCOM relays
<b>UR</b>		
UR firmware versions: 5.48, 5.54, 5.61, 5.71 and 5.72, 5.81 and 5.83, 5.92, and 6.00 to 6.04	29 <sup>th</sup> December 2017 31 <sup>st</sup> January 2018	UR firmware versions: 6.05, 7.01 or later
<b>Distribution &amp; Industrial</b>		
239	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	339 or 869
650 Display Options with RS232 (Order codes *650***F*G*****)	30 <sup>th</sup> June 2017 30 <sup>th</sup> September 2017	650 Display Options with USB (Order codes *650***F*G*****)
735	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	350 or 850

<b>Product</b>	<b>Last Order Date Last Delivery Date</b>	<b>Replacement</b>
737	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	850
FM2 and SM2	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	350
MIGII	30 <sup>th</sup> June 2017 30 <sup>th</sup> September 2017	339, 345, 850, P40 Agile
MINII	30 <sup>th</sup> June 2017 30 <sup>th</sup> September 2017	350
MIWII	30 <sup>th</sup> June 2017 30 <sup>th</sup> September 2017	350 or 889
MIFII	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	350
MIVII	29 <sup>th</sup> December 2017 28 <sup>th</sup> March 2018	350
<b>REASON</b>		
Reason RVP311, Firmware <b>11 and 12</b>	31 <sup>st</sup> March 2017 30 <sup>th</sup> June 2017	Firmware 13
Reason RT430, RT431 and RT434 Firmware <b>05 and 06</b>	31 <sup>st</sup> March 2017 30 <sup>th</sup> June 2017	Firmware 07
Reason S20 switch. Firmware <b>02, 03 and 04</b>	31 <sup>st</sup> July 2017 31 <sup>st</sup> October 2017	Firmware 05
MU320. Firmware <b>02.</b>	31 <sup>st</sup> July 2017 31 <sup>st</sup> October 2017	Firmware 03
Reason RT430 hardware A GPS only	31 <sup>st</sup> January 2018 31 <sup>st</sup> March 2018	Reason RT430 hardware B (GPS/GLONASS)
Reason T1000 switch	31 <sup>st</sup> January 2018 31 <sup>st</sup> March 2018	Reason S20 switch
<b>LEGACY</b>		
<b>MVAJM14</b> with 8 contacts	31 <sup>st</sup> March 2017 31 <sup>st</sup> July 2017	MVAJM14 with 10 contacts
<b>VAJC11</b>	31 <sup>st</sup> March 2017 31 <sup>st</sup> July 2017	MVAJM14 with 10 contacts
<b>VAX21 &amp; VAX31</b> old variants	31 <sup>st</sup> March 2017 31 <sup>st</sup> July 2017	VAX21 & VAX31 with 2M/2B contacts and 110/220VDC

End of Notice.