

NO: RF-034 **PRODUCT:** V640 RFID Systems
DATE: June 2015 **TYPE:** Partial Discontinuation Notice

Select V640-HAM RFID Amplifiers will be Discontinued *Replace with -V2 or -V4 Series Depending on Model Number*

Discontinuation Date: March 2016

Note: Date is subject to change based on raw materials and components availability at the factory.

Select V640-HAM series RFID amplifiers will be discontinued and replaced with either a newer V2 or V4 series, depending on model number. The new V2 or V4 series incorporates a re-design utilizing components that will allow Omron to continue to offer this product. The new units will maintain a high level of compatibility with existing systems. The discontinuation date is March 2016.



Affected Parts

Product to be Discontinued	Recommended Replacement
V640-HAM11-V3	V640-HAM11-V4
V640-HAM11-V3-2	V640-HAM11-V4
V640-HAM11-ETN	V640-HAM11-ETN-V2
V640-HAM11-L	V640-HAM11-L-V2
V640-HAM11-L-ETN	V640-HAM11-L-TEN-V2

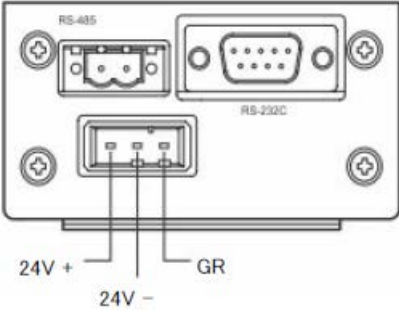
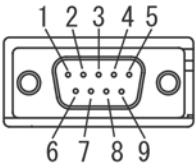
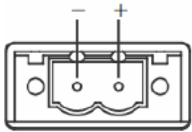
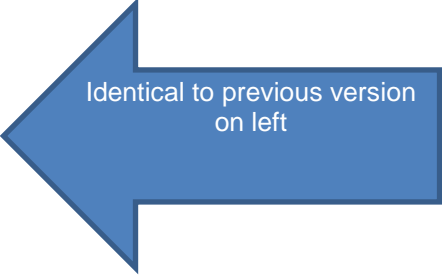
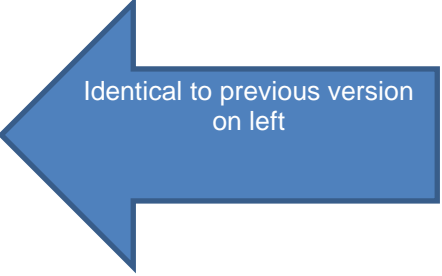
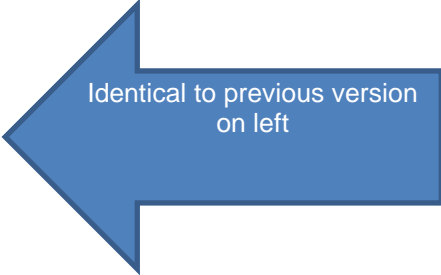
See the following pages for details of differences between old and new versions,

Details of Differences

Dimensions

<p style="text-align: center;">Discontinued Product Model V640-HAM11-V3(-2) Model V640-HAM11-ETN Model V640-HAM11-L(-ETN)</p>	<p style="text-align: center;">Recommended replacement Model V640-HAM11-V4 Model V640-HAM11-ETN-V2 Model V640-HAM11-L(-ETN)-V2</p>
<p>V640-HAM11-V3(-2)/V640-HAM11-L</p> <p>Labels: DC power supply connector, Four operation indicator lamps, RS-485 connector, RS-232C connector, DIP switch, Four, 4.5 dia. (mounting holes).</p> <p>Dimensions: (30.2), (15.8), 55.5, 80, 56, 46, 160, 175, 185, (17.75), (13), (12), 6.8, 6.8, 6.8, 0.6, (18.2), (12), (22.5), (4.2), (11.5), (5.7), (32.5), 43, 5.</p> <p>V640-HAM11-ETN/V640-HAM11-L-ETN</p> <p>Labels: DC power supply connector, Four operation indicator lamps, MAC address label, Ethernet connector, DIP switch, Four, 4.5 dia. (mounting holes).</p> <p>Dimensions: (15.8), 55.5, 80, 56, 46, 160, 175, 185, (13), (16), (31.95), (18.2), (12), (22.5), (4.2), (11.5), (5.7), (32.5), 43, 5.</p>	<p>V640-HAM11-V4/V640-HAM11-L-V2</p> <p style="text-align: center; font-size: 2em;">←</p> <p style="text-align: center;">Identical to previous version on left</p> <p>V640-HAM11-ETN-V2 /V640-HAM11-L-ETN-V2</p> <p style="text-align: center; font-size: 2em;">←</p> <p style="text-align: center;">Identical to previous version on left</p>

Product Variations

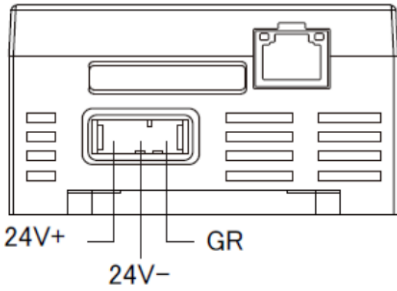
Discontinued Product Model V640-HAM11-V3(-2) Model V640-HAM11-ETN Model V640-HAM11-L(-ETN)	Recommended replacement Model V640-HAM11-V4 Model V640-HAM11-ETN-V2 Model V640-HAM11-L(-ETN)-V2																																														
<p>V640-HAM11-V3(-2)/V640-HAM11-L</p> <p>1) Power Supply and Grounding Wires</p>  <p>2) Connector of RS-232C</p>  <table border="1" data-bbox="131 1024 695 1325"> <thead> <tr> <th>Pin No.</th> <th>Name</th> <th>Code address</th> <th>Signal Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>—</td> <td>NC</td> <td>—</td> </tr> <tr> <td>2</td> <td>Receive data</td> <td>RD</td> <td>Input</td> </tr> <tr> <td>3</td> <td>Send data</td> <td>SD</td> <td>Output</td> </tr> <tr> <td>4</td> <td>—</td> <td>NC</td> <td>—</td> </tr> <tr> <td>5</td> <td>Signal ground</td> <td>SG</td> <td>—</td> </tr> <tr> <td>6</td> <td>—</td> <td>NC</td> <td>—</td> </tr> <tr> <td>7</td> <td>Request send</td> <td>RS</td> <td>Output</td> </tr> <tr> <td>8</td> <td>Send enable</td> <td>CS</td> <td>Input</td> </tr> <tr> <td>9</td> <td>—</td> <td>NC</td> <td>—</td> </tr> </tbody> </table> <p>3) Connector of RS-485</p>  <table border="1" data-bbox="162 1522 727 1654"> <thead> <tr> <th>Name</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>Connect to the minus line of another Amplifier Unit.</td> </tr> <tr> <td>+</td> <td>Connect to the plus line of another Amplifier Unit.</td> </tr> </tbody> </table>	Pin No.	Name	Code address	Signal Direction	1	—	NC	—	2	Receive data	RD	Input	3	Send data	SD	Output	4	—	NC	—	5	Signal ground	SG	—	6	—	NC	—	7	Request send	RS	Output	8	Send enable	CS	Input	9	—	NC	—	Name	Function	—	Connect to the minus line of another Amplifier Unit.	+	Connect to the plus line of another Amplifier Unit.	<p>V640-HAM11-V4/V640-HAM11-L-V2</p> <p>1) Power Supply and Grounding Wires</p>  <p>2) Connector of RS-232C</p>  <p>3) Connector of RS-485</p> 
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Discontinued Product
Model V640-HAM11-V3(-2)
Model V640-HAM11-ETN
Model V640-HAM11-L(-ETN)

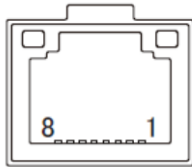
Recommended replacement
Model V640-HAM11-V4
Model V640-HAM11-ETN-V2
Model V640-HAM11-L(-ETN)-V2

V640-HAM11-ETN/V640-HAM11-L-ETN

1) Power Supply and Grounding Wires



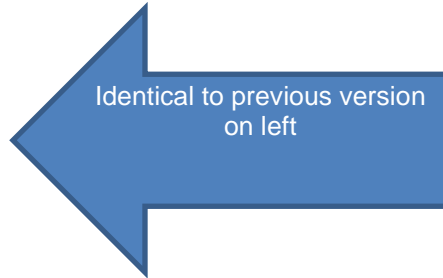
2) Ethernet Connector



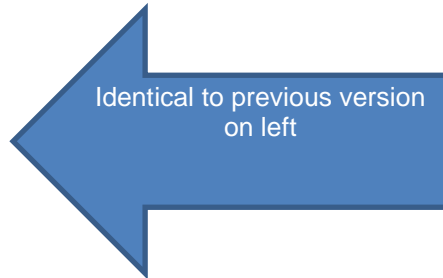
Pin No.	Name	Code address	I/O
1	Send data	TX_D+	Output
2	Send data	TX_D-	Output
3	Receive date	RX_D+	Input
4	—	—	—
5	—	—	—
6	Receive date	RX_D-	Input
7	—	—	—
8	—	—	—

V640-HAM11-ETN-V2/V640-HAM11-L-ETN-V2

1) Power Supply and Grounding Wires



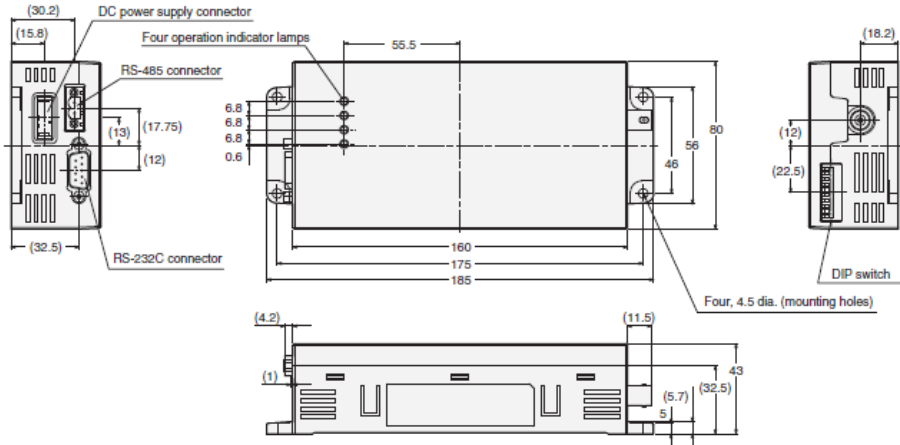
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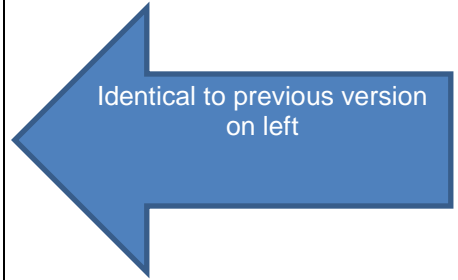
Discontinued Product
Model V640-HAM11-V3(-2)
Model V640-HAM11-ETN
Model V640-HAM11-L(-ETN)

Recommended replacement
Model V640-HAM11-V4
Model V640-HAM11-ETN-V2
Model V640-HAM11-L(-ETN)-V2

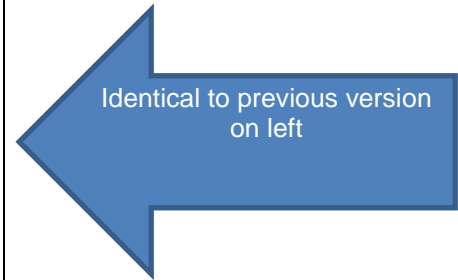
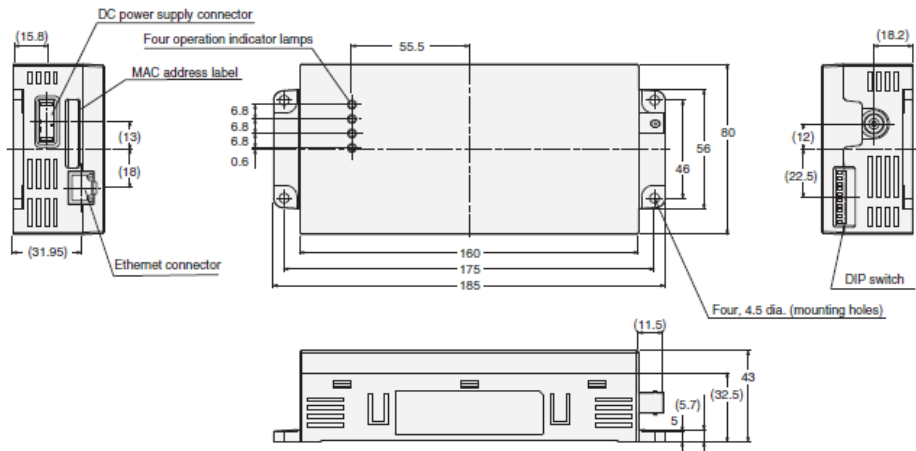
V640-HAM11-V3(-2)/V640-HAM11-L



V640-HAM11-V4/V640-HAM11-L-V2



V640-HAM11-ETN/V640-HAM11-L-ETN



Specifications

Item	Discontinued Product Model V640-HAM11-V3(-2) Model V640-HAM11-ETN Model V640-HAM11-L(-ETN)	Recommended replacement Model V640-HAM11-V4 Model V640-HAM11-ETN-V2 Model V640-HAM11-L(-ETN)-V2
Power supply voltage	24VDC +10% -15%	24VDC +10% -15%
Current consumption	150 mA max. (Model V640-HAM11-V3(-2)/-ETN) 400 mA max. (Model V640-HAM11-L(-ETN))	150 mA max. (Model V640-HAM11-V4/-ETN-V2) 400 mA max. (Model V640-HAM11-L(-ETN)-V2)
Ambient temperature	Operating : 0 to +40°C Storage : -15 to +65°C (with no icing)	Operating : 0 to +40°C Storage : -15 to +65°C (with no icing)
Ambient humidity	Operating / Storage : 35% to 85% (with no condensation)	Operating / Storage : 35% to 85% (with no condensation)
Degree of protection	IECC60529: IP20	IECC60529: IP20
Insulation resistance	20 MΩ min.(at 100 VDC)between the power supply terminals and the frame ground terminal	20 MΩ min.(at 100 VDC)between the power supply terminals and the frame ground terminal
Dielectric strength	1,000 VAC(50/60 Hz, 1 minute) Between the power supply terminals and the frame ground terminal (leakage current: 5 mA max.)	1,000 VAC(50/60 Hz, 1 minute) Between the power supply terminals and the frame ground terminal (leakage current: 5 mA max.)
Vibration resistance	10 to 150 Hz, 0.2-mm double amplitude, 15-m/s ² acceleration with 10 sweeps of 8 min each in X,Y, and Z directions	10 to 150 Hz, 0.2-mm double amplitude, 15-m/s ² acceleration with 10 sweeps of 8 min each in X,Y, and Z directions
Shock resistance	150-m/s ² acceleration for 3 times each in X,Y, and Z directions(18 times in total)	150-m/s ² acceleration for 3 times each in X,Y, and Z directions(18 times in total)
Ground	Ground at a resistance of less than 100 Ω	Ground at a resistance of less than 100 Ω
Case material	PC+ABS	PC+ABS
Weight	Approx. 250g	Approx. 250g
CIDRW Head	V640-HS61 (Model V640-HAM11-V3(-2)/-ETN) V640-HS62 (Model V640-HAM11-L(-ETN))	V640-HS61 (Model V640-HAM11-V4/-ETN-V2) V640-HS62 (Model V640-HAM11-L(-ETN)-V2)

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.