



## End-of-Sale and End-of-Life Announcement for the Cisco Digital T1, E1 and J1 Packet Voice Trunk Network Modules

Cisco Systems® announces the end-of-sale and end-of life dates for the Cisco® Digital T1, E1 and J1 Packet Voice Trunk Network Modules. The last day to order the affected product is September 25, 2006. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) until September 24, 2011.

Table 1 describes the end-of-life milestones, definitions, and dates for the affected product. Table 2 lists the product part numbers affected by this announcement.

This end-of-sale and end-of-life announcement covers all of the Digital T1, E1 and J1 Packet Voice Trunk Network Modules, all associated Digital T1, E1, and J1 bundles (including conferencing/transcoding DSP farm), the J1 Voice interface card, and the associated Packet Voice Digital Signal Processor Modules.

Customers are encouraged to migrate to the Cisco IP Communications High-Density Digital Voice/fax Network Module and the High-Density Packet Voice Digital Signal Processor Modules. The Cisco IP Communications High-Density Digital Voice/Fax Network Modules (NM-HDV2, NM-HDV2-1T1/E1 and NM-HDV2-2T1/E1) deliver high-density digital voice connectivity, high-density WAN connectivity, analog voice connectivity, and conferencing and transcoding capability in a network module form factor. These modules offer significant advantages such as higher port, channel densities and features over the Digital T1, E1 Packet Voice Trunk Network Modules. The associated digital signal processors (DSPs) are the High-Density Packet Voice Digital Signal Processor modules that support higher channel densities, more memory, processing power, features and flexibility for voice applications.

Information about the replacement products can be found at the following links:

- [http://www.cisco.com/en/US/products/hw/modules/ps5365/products\\_data\\_sheet09186a0080191d41.html](http://www.cisco.com/en/US/products/hw/modules/ps5365/products_data_sheet09186a0080191d41.html)
- [http://www.cisco.com/en/US/products/hw/modules/ps3115/products\\_data\\_sheet0900aecd8016e845.html](http://www.cisco.com/en/US/products/hw/modules/ps3115/products_data_sheet0900aecd8016e845.html)

Table 3 provides relevant information for migrating to the replacement product.

**Table 1.** End-of-Life Milestones and Dates for the Digital T1, E1 and J1 Packet Voice Trunk Network Modules

Milestone	Definition	Date
End-of-Life Announcement Date	The date the document that announces the end of sale and end of life of a product is distributed to the general public.	March 27, 2006
End-of-Sale Date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	September 25, 2006
Last Shipment Date	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	December 24, 2006
End of Routine Failure Analysis Date	The last-possible date a routine failure analysis may be performed to determine the cause of product failure or defect.	September 25, 2007
End of New Service Attachment Date	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract.	September 25, 2007

Milestone	Definition	Date
End of Service Contract Renewal Date	The last date to extend or renew a service contract for the product.	December 21, 2010
Last Date of Support	The last date to receive service and support for the product. After this date, all support services for the product are unavailable, and the product becomes obsolete.	September 24, 2011

**Table 2.** Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
NM-HDV-	High Density Voice Network Module	NM-HDV2	IP Communications High-Density Digital Voice Network Module
NM-HDV	High Density Voice/Fax Network Module	NM-HDV2	IP Communications High-Density Digital Voice Network Module
NM-HDV=	High Density Voice/Fax Network Module Spare	NM-HDV2=	IP Communications High-Density Digital Voice Network Module
NM-HDV-1E1-12	Single-Port 12 Channel E1 Voice/Fax Network Module	NM-HDV2-1T1/E1, PVDM2-16 and PVDM2-8	IP Communications High-Density Digital Voice NM with 1 T1/E1, 16- and 8-Channel Packet Voice/Fax DSP Module
NM-HDV-1E1-12=	Single-Port 12 Channel E1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1=, PVDM2-16= and PVDM2-8=	IP Communications High-Density Digital Voice NM with 1 T1/E1, 16- and 8-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1E1-30	Single-Port 30 Channel E1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-1E1-30=	Single-Port 30 Channel E1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1 and PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1E1-30E	Single-Port 30 Enhanced Channel E1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and 2* PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-1E1-30E=	Single-Port 30 Enhanced Channel E1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1 and 2* PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1J1-30	Single-Port 30 Channel J1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-1J1-30=	Single-Port 30 Channel J1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1 and PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1J1-30E	Single-Port 30 Enhanced Channel J1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and 2*PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-1J1-30E=	Single-Port 30 Enhanced Channel J1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and 2* PVDM2-64	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-1T1-12	Single-Port 12 Channel T1 Voice/Fax Network Module	NM-HDV2-1T1/E1, PVDM2-16 and PVDM2-8	IP Communications High-Density Digital Voice NM with 1 T1/E1, 16-Channel Packet Voice/Fax DSP Module and 8-Channel Packet Voice/Fax DSP Module

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
NM-HDV-1T1-12=	Single-Port 12 Channel T1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1, PVDM2-16 and PVDM2-8	IP Communications High-Density Digital Voice NM with 1 T1/E1, 16-Channel Packet Voice/Fax DSP Module and 8-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1T1-24	Single-Port 24 Channel T1 Voice/Fax Network Module	NM-HDV2-1T1/E1 and PVDM2-48	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 48-Channel Packet Voice/Fax DSP Module
NM-HDV-1T1-24=	Single-Port 24 Channel T1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1 and PVDM2-48	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 48-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-1T1-24E	Single-Port 24 Enhanced Channel T1 Voice/Fax Network Module	NM-HDV2-1T1/E1, and 2* PVDM2-48	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 48-Channel Packet Voice/Fax DSP Modules
NM-HDV-1T1-24E=	Single-Port 24 Enhanced Channel T1 Voice/Fax Network Module Spare	NM-HDV2-1T1/E1 and 2* PVDM2-48	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 48-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-2E1-60	Dual-Port 60 Channel E1 Voice/Fax Network Module	NM-HDV2-2T1/E1 and 2* PVDM2-64	IP Communications High-Density Digital Voice NM with 2 T1/E1 and 64-Channel Packet Voice/Fax DSP Modules
NM-HDV-2E1-60=	Dual-Port 60 Channel E1 Voice/Fax Network Module Spare	NM-HDV2-2T1/E1 and 2*PVDM2-64	IP Communications High-Density Digital Voice NM with 2 T1/E1 and 64-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-2T1-48	Dual-Port 48 Channel T1 Voice/Fax Network Module	NM-HDV2-2T1/E1, PVDM2-32 and PVDM2-64	IP Communications High-Density Digital Voice NM with 2 T1/E1, 32-Channel Packet Voice/Fax DSP Module and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-2T1-48=	Dual-Port 48 Channel T1 Voice/Fax Network Module Spare	NM-HDV2-2T1/E1, PVDM2-32 and PVDM2-64	IP Communications High-Density Digital Voice NM with 2 T1/E1, 32-Channel Packet Voice/Fax DSP Module and 64-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-FARM-C36	Network Module 36 Port DSP Farm Bundle	NM-HDV2 and PVDM2-48	IP Communications High-Density Digital Voice Network Module, 48-Channel Packet Voice/Fax DSP Module
NM-HDV-FARM-C36=	Network Module 36 Port DSP Farm Bundle Spare	NM-HDV2 and PVDM2-48	IP Communications High-Density Digital Voice NM with 1 T1/E1 and 48-Channel Packet Voice/Fax DSP Module Spares
NM-HDV-FARM-C54	Network Module 54 Port DSP Farm Bundle	NM-HDV2, PVDM2-64 and PVDM2-16	IP Communications High-Density Digital Voice NM with 1 T1/E1, 64-Channel Packet Voice/Fax DSP Module, 16-Channel Packet Voice/Fax DSP Module
NM-HDV-FARM-C54=	Network Module 54 Port DSP Farm Bundle Spare	NM-HDV2, PVDM2-64 and PVDM2-16	IP Communications High-Density Digital Voice Network Module Spares, 64-Channel Packet Voice/Fax DSP Module, 16-Channel Packet Voice/Fax DSP Module Spare
NM-HDV-FARM-C90	Network Module 90 Port DSP Farm Bundle	NM-HDV2 and 2*PVDM2-64	IP Communications High-Density Digital Voice Network Module and 64-Channel Packet Voice/Fax DSP Module
NM-HDV-FARM-C90=	Network Module 90 Port DSP Farm Bundle Spare	NM-HDV2 and 2*PVDM2-64	IP Communications High-Density Digital Voice Network Module and 64-Channel Packet Voice/Fax DSP Module Spares

End-of-Sale Product Part Number	Product Description	Replacement Product Part Number	Replacement Product Description
PVDM-12	12-Channel Packet Voice/Fax DSP Module	Several options are available: <ul style="list-style-type: none"> <li>• PVDM2-8</li> <li>• PVDM2-16</li> <li>• PVDM2-32</li> <li>• PVDM2-48</li> <li>• PVDM2-64</li> </ul>	High-Density Packet Voice/Fax DSP Module
PVDM-12=	12-Channel Packet Voice/Fax DSP Module	Several options are available: <ul style="list-style-type: none"> <li>• PVDM2-8</li> <li>• PVDM2-16</li> <li>• PVDM2-32</li> <li>• PVDM2-48</li> <li>• PVDM2-64</li> </ul>	High-Density Packet Voice/Fax DSP Module
VIC-1J1	One Port Digital Voice Interface Card (J1) for Japan	No replacement available or planned	
VIC-1J1=	One Port Digital Voice Interface Card (J1) for Japan	No replacement available or planned	

### PRODUCT MIGRATION OPTIONS

The recommended replacement for the Cisco Digital T1, E1 and J1 Packet Voice Trunk Network Modules are the IP Communications High-Density Digital Voice/Fax Network Module and corresponding High-Density Voice/Fax Digital Signal Processors. As can be seen from Table 3, they offer more features, higher densities and more flexibility including twice the number of digital voice ports, more than three times the number of conferencing sessions, and more than twice the number of transcoding sessions.

**Table 3.** Product Comparisons

Feature	Cisco Digital T1, E1 and J1 Packet Voice Trunk Network Modules	Cisco IP Communications High-Density Digital Voice/Fax Network Module
Digital Voice Connectivity	Maximum of 2 T1/E1 ports supported	Maximum of 4 T1/E1 ports supported
Data WAN Connectivity	Maximum of 2 T1/E1 ports supported	Maximum of 4 T1/E1 ports supported. Supports up to 32 data channel groups with a total bandwidth of up to 2 Mbps
Analog Voice Connectivity	Not supported	Maximum of 4 analog ports supported
Digital Signal Processing Modules Technology	Supports PVDM-12.	Supports latest DSP technology that features more power, memory and flexibility: <ul style="list-style-type: none"> <li>• PVDM2-8, PVDM2-16, PVDM2-32, PVDM2-48, PVDM2-64</li> </ul>
Conferencing Support	Supports up to 15 conferences, up to 6 participants per conference regardless of codecs.	<ul style="list-style-type: none"> <li>• Supports up to 50 G.711 conferences with 8 participants per conference. Up to 400 participants maximum</li> <li>• Supports up to 32 mixed-codec conferences with 8 participants per conference. Up to 256 participants maximum</li> </ul>

Feature	Cisco Digital T1, E1 and J1 Packet Voice Trunk Network Modules	Cisco IP Communications High-Density Digital Voice/Fax Network Module
Transcoding Support	<ul style="list-style-type: none"> <li>Supports up to 60 transcoding sessions G.711 a/u law &lt;-&gt; G..729/G.729a/G.729b/G.729ab</li> <li>G.711 a law &lt;-&gt;G.711 ulaw</li> </ul>	<ul style="list-style-type: none"> <li>Supports maximum of 128 sessions for G.711 a/u law &lt;-&gt; G.729a/G.729ab/GSM FR</li> <li>Supports maximum of G.711 a/u-law &lt;-&gt;G.729/G.729b/GSM EFR</li> </ul>

Customers can use the Cisco Technology Migration Plan (TMP) to trade in products and receive credit toward the purchase of new Cisco equipment. For more information about Cisco TMP, go to <http://www.cisco.com/go/tradein/>. The Cisco TMP application requires all users to have a Cisco.com user ID.

Customers may be able to continue to purchase the end-of-sale product through Cisco's Authorized Refurbished Equipment program. Refurbished units of the end-of-sale product are available in limited supply for sale in certain countries on a first-come, first-served basis. For information about the refurbished equipment program, go to [http://www.cisco.com/en/US/ordering/or6/or17/order\\_refurbished\\_equipment\\_program\\_description.html](http://www.cisco.com/en/US/ordering/or6/or17/order_refurbished_equipment_program_description.html).

**FOR MORE INFORMATION**

For more information about the Cisco End-of-Life Policy, go to: [http://www.cisco.com/en/US/products/prod\\_end\\_of\\_life.html](http://www.cisco.com/en/US/products/prod_end_of_life.html)

To subscribe to receive end-of-life/end-of-sale information, go to: <http://www.cisco.com/cgi-bin/Support/FieldNoticeTool/field-notice>



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