

# Cisco IOS Software Packaging for Cisco Catalyst 6500 Series

PB 453793

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This product bulletin articulates the Cisco IOS<sup>®</sup> Software packaging for Cisco<sup>®</sup> Catalyst<sup>®</sup> 6500 Series Switches, including the latest Cisco Catalyst 6500 Series Supervisor Engine 2T and the associated Cisco IOS Software release migration strategy.

**Table 1.** Packages Available

Software Packages	Sup2T	VS-Sup720-10G	Sup720-3B	Sup 32
<b>Advanced Enterprise Services</b>	K9 <ul style="list-style-type: none"> <li>• S2TAEK9-12250SY</li> </ul> NPE* <ul style="list-style-type: none"> <li>• S2TAEK9N-12250SY</li> </ul>	K9 (LAN and WAN) <ul style="list-style-type: none"> <li>• SV33AEK9L-12233SXI</li> <li>• SV33FPD-12233SXI</li> </ul> Non-K9 (WAN) <ul style="list-style-type: none"> <li>• SV33AES-12233SXI</li> </ul>	K9 (LAN and WAN) <ul style="list-style-type: none"> <li>• S733AEK9L-12233SXI</li> <li>• S733AEK9-12233SXI</li> </ul> Non-K9 (WAN) <ul style="list-style-type: none"> <li>• S733AES-12233SXI</li> </ul>	K9 (WAN) <ul style="list-style-type: none"> <li>• S323AEK9-12233SXI</li> </ul> Non-K9 (WAN) <ul style="list-style-type: none"> <li>• S323AES-12233SXI</li> </ul>
<b>Advanced IP Services</b>	K9 <ul style="list-style-type: none"> <li>• S2TAIK9-12250SY</li> </ul> NPE <ul style="list-style-type: none"> <li>• S2TAIK9N-12250SY</li> </ul>	K9 (LAN and WAN) <ul style="list-style-type: none"> <li>• SV33AIK9L-12233SXI</li> <li>• SV33AIK9-12233SXI</li> </ul>	K9 (LAN and WAN) <ul style="list-style-type: none"> <li>• S733AIK9L-12233SXI</li> <li>• S733AIK9-12233SXI</li> </ul>	K9 (WAN) <ul style="list-style-type: none"> <li>• S323AIK9-12233SXI</li> </ul>
<b>IP Services</b>	K9 <ul style="list-style-type: none"> <li>• S2TISK9-12250SY</li> <li>• S2TISK9Z-12250SY (for bundles only)</li> </ul> NPE <ul style="list-style-type: none"> <li>• S2TISK9N-12250SY</li> <li>• S2TISK9NZ-12250SY (for bundles only)</li> </ul>	K9 (WAN) <ul style="list-style-type: none"> <li>• SV33ISK9-12233SXI</li> </ul> Non-K9 (WAN) <ul style="list-style-type: none"> <li>• SV33IS-12233SXI</li> </ul>	K9 (LAN and WAN) <ul style="list-style-type: none"> <li>• S733ISK9L-12233SXI</li> <li>• S733ISK9-12233SXI</li> </ul> Non-K9 (WAN) <ul style="list-style-type: none"> <li>• S733IS-12233SXI</li> </ul>	K9 (WAN) <ul style="list-style-type: none"> <li>• S323ISK9-12233SXI</li> </ul>
<b>IP Base</b>	K9 <ul style="list-style-type: none"> <li>• S2TIBK9-12250SY</li> </ul> NPE <ul style="list-style-type: none"> <li>• S2TIBK9N-12250SY</li> </ul>	K9 (LAN) <ul style="list-style-type: none"> <li>• SV33IBK9L-12233SXI</li> </ul> Non-K9 (LAN) <ul style="list-style-type: none"> <li>• SV33IBL-12233SXI</li> </ul>	not available	K9 (LAN) <ul style="list-style-type: none"> <li>• S323IBK9L-12233SXI</li> </ul> Non-K9 (LAN) <ul style="list-style-type: none"> <li>• S323IBL-12233SXI</li> </ul>

\*NPE is an image for exporting to countries that might have import restrictions on encryption technologies. It does not allow payload encryption. K9 image is used for the rest of the world. It consists of cryptographic features such as Secure Shell (SSH) Protocol and support for IP Security (IPSec).

There are four different software packages targeted to requirements in different places of the network, including campus and data center access, aggregation, and core.

The following are major feature highlights in each Cisco IOS Software package:

- IP Base: Includes basic routing (Routing Information Protocol [RIP], static routing, Enhanced Interior Gateway Routing Protocol [EIGRP] Stub, Protocol Independent Multicast [PIM] Stub), Layer 2 capabilities, manageability, security, IPv6 host support, and quality of service (QoS)

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- IP Services: Adds advanced IP routing (Open Shortest Path First [OSPF], EIGRP, Border Gateway Protocol [BGP], PIM), Cisco TrustSec<sup>®</sup> security (MacSec, Secure Group Tagging(SGT), SGT Exchange Protocol (SXP), and Security Association Protocol (SAP)), Control and Monitoring Processor (CMP), and Web Cache Communication Protocol (WCCP)
  - Advanced IP Services: Adds advanced IPv4 and IPv6 features, Secure Group Access Control Lists (SGACLs), Layer 3 VPN, and Multiprotocol Label Switching (MPLS)
  - Advanced Enterprise Services: Full Cisco IOS Software features, including Ethernet over Multiple Protocol Label Switching (EoMPLS) and Virtual Private Lan Service (VPLS)

For more information about individual features, refer to

[http://www.cisco.com/en/US/products/hw/switches/ps708/prod\\_presentation\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps708/prod_presentation_list.html).

For more information about the latest Cisco IOS Software releases, refer to

[http://www.cisco.com/en/US/products/hw/switches/ps708/prod\\_bulletins\\_list.html](http://www.cisco.com/en/US/products/hw/switches/ps708/prod_bulletins_list.html).

For more information, contact [ask-c6500-pm@cisco.com](mailto:ask-c6500-pm@cisco.com).



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