



# Cisco Port Adapter Documentation Guide

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## Product Documentation Sets

Your product shipped with a minimal set of printed documentation. Additional product documentation (user guides, configuration manuals, and so forth) is available on Cisco.com.

Port adapter hardware installation and configuration guides and associated URLs are listed in this document. The documents are organized into the following technology categories:

- [Acceleration Module, page 2](#)
- [ATM, page 2](#)
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**Port Adapters**

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**Acceleration Module**

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- *VPN Service Adapter (VSA) Installation and Configuration Guide*  
[http://www.cisco.com/en/US/products/hw/modules/ps2033/products\\_module\\_installation\\_guide\\_book09186a008076c673.html](http://www.cisco.com/en/US/products/hw/modules/ps2033/products_module_installation_guide_book09186a008076c673.html)
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**ATM**

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- *PA-A1 ATM Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm\\_port/a1\\_0c3sm/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm_port/a1_0c3sm/index.htm)
  - *PA-A2 ATM CES Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/atm\\_pas/pa\\_a2\\_4/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/atm_pas/pa_a2_4/index.htm)
  - *PA-A3 Enhanced ATM Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm\\_port/pa\\_a3/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm_port/pa_a3/index.htm)
  - *Inverse Multiplexing over ATM Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm\\_port/a3\\_8t\\_8e/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm_port/a3_8t_8e/index.htm)
  - *PA-A3 OC12 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm\\_port/a3\\_0c12/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/atm_port/a3_0c12/index.htm)
  - *PA-A6 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port\\_adp/atm\\_pas/pa-a6/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port_adp/atm_pas/pa-a6/index.htm)
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**Channel**

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- *PA-1C-E ESCON Channel Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/channel/3472cpa.htm>
  - *PA-4C-E 1-Port High Performance ESCON Channel Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/channel/3473cpa.htm>
  - *PA-FC-1G Fibre Channel Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/channel/pa-fc-1g/index.htm>
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**Dynamic Packet Transport (DPT)**

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- *OC12 Dynamic Transport Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port\\_adp/dyn\\_pa/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port_adp/dyn_pa/index.htm)
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**Ethernet/Fast Ethernet/Gigabit Ethernet**

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- *PA-12E/2FE Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_12e/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_12e/index.htm)
  - *PA-4E Ethernet 10BaseT Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_4e/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_4e/index.htm)
  - *PA-8E Ethernet 10BaseT Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_8e/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_8e/index.htm)
  - *PA5-EFL Ethernet 10BaseT Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_5efl/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_5efl/index.htm)
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- *PA-FE Fast Ethernet 100BaseT Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/2659v2fe/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/2659v2fe/index.htm)
- *PA-2FE-TX and PA-2FE-FX Two-Port Fast Ethernet Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/ether\\_pa/pa\\_2fetx/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/ether_pa/pa_2fetx/index.htm)
- *PA-2FEISL 100BaseT FE/ISL Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_feisl/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_feisl/index.htm)
- *PA-GE Gigabit Ethernet Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether\\_pa/pa\\_ge/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/ether_pa/pa_ge/index.htm)

### Fiber Distributed Data Interface (FDDI)

- *PA-F-MM and PA-F-SM Half-Duplex FDDI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/fiber\\_pa/pa\\_f\\_mm/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/fiber_pa/pa_f_mm/index.htm)
- *PA-F/FD-SM and PA-F/FD-MM Full-Duplex FDDI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/fiber\\_pa/pa\\_ffd/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/fiber_pa/pa_ffd/index.htm)

### High Speed Serial

- *PA-H HSSI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/hssi\\_pa/pa-h/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/hssi_pa/pa-h/index.htm)
- *PA-2H Dual-Port HSSI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/hssi\\_pa/pa-2h/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/hssi_pa/pa-2h/index.htm)

### Multichannel Serial

- *PA-MC-2T3+ Multichannel T3 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi\\_ch/mc\\_2t3/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi_ch/mc_2t3/index.htm)
- *Multichannel DS1/PRI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/4815ds1p/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/4815ds1p/index.htm)
- *PA-MC-2E1/8E1 PRI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi\\_ch/5083e1p/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi_ch/5083e1p/index.htm)
- *PA-MC-T3 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi\\_ch/mc\\_t3/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi_ch/mc_t3/index.htm)
- *PA-MC-T3-EC Port Adapter Installation and Configuration*  
[http://www.cisco.com/en/US/partner/products/hw/modules/ps2033/products\\_module\\_installation\\_guide\\_book09186a0080796e92.html](http://www.cisco.com/en/US/partner/products/hw/modules/ps2033/products_module_installation_guide_book09186a0080796e92.html)
- *PA-MC-E3 Multi-Channel E3 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/4561ce3m/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/4561ce3m/index.htm)
- *Multichannel STM-1 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi\\_ch/pa\\_mcestm/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi_ch/pa_mcestm/index.htm)
- *PA-2CE1 Channelized E1 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi\\_ch/pa\\_c2ce1/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/multi_ch/pa_c2ce1/index.htm)
- *Channelized T1 (PA-2CT1/PRI Channelized T1) Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/ser\\_isdn/pa\\_2ct1/3940ct1p.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/ser_isdn/pa_2ct1/3940ct1p.htm)

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- *Channelized T3 Dual-Wide Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/multicha/4584ct3d.htm>
  - *PA-4B-U Basic Rate Interface Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/multicha/pa\\_4b\\_u/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/multicha/pa_4b_u/index.htm)
  - *PA-8B-ST Basic Rate Interface Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/multicha/pa\\_8bst/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/multicha/pa_8bst/index.htm)
  - *8-Port Multichannel T1/E1 8PRI Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/multicha/8port\\_t1/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/multicha/8port_t1/index.htm)
  - *SS7 Port Adapter Installation and Configuration*<sup>3</sup>  
[http://www.cisco.com/en/US/products/hw/modules/ps2033/products\\_module\\_installation\\_guide\\_book09186a008064f5e8.html](http://www.cisco.com/en/US/products/hw/modules/ps2033/products_module_installation_guide_book09186a008064f5e8.html)
  - *SS7 Q.703 High Speed Port Adapter Installation and Configuration*  
[http://www.cisco.com/en/US/products/hw/modules/ps2033/products\\_module\\_installation\\_guide\\_book09186a0080616978.html](http://www.cisco.com/en/US/products/hw/modules/ps2033/products_module_installation_guide_book09186a0080616978.html)
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**Other**

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- *PA-1C-P Parallel Channel Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/other\\_pa/6012\\_01.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/other_pa/6012_01.htm)
  - *PA-100VG AnyLan Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/vip1/vip2/3477100v.htm#xtocid2184313>
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**Serial**

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- *PA-4T Synchronous Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa\\_4t/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa_4t/index.htm)
  - *PA-4T+ Synchronous Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/4159m4tp/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/4159m4tp/index.htm)
  - *PA-4E1G Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/4115e1g7/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/4115e1g7/index.htm)
  - *PA-2JT2 6.3-MHz Serial Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/3587.htm>
  - *PA-8T-232 Synchronous Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/3795m8te/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/3795m8te/index.htm)
  - *PA-8T-V35 Synchronous Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/3792m8tv/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/3792m8tv/index.htm)
  - *PA-8T-X21 Synchronous Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/cable/cab\\_rout/cfig\\_nts/3794m8tx/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/cable/cab_rout/cfig_nts/3794m8tx/index.htm)
  - *PA-E3 Serial Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa\\_e3/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa_e3/index.htm)
  - *PA-T3 Serial Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa-t3/index.htm>
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- *PA-T3+ Serial Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/serial/pa-t3plu/index.htm>
  - *PA-T3/E3-EC Port Adapter Installation and Configuration*  
[http://preview.cisco.com/en/US/customer/products/hw/modules/ps2033/products\\_module\\_installation\\_guide\\_book09186a008085de57.html](http://preview.cisco.com/en/US/customer/products/hw/modules/ps2033/products_module_installation_guide_book09186a008085de57.html)
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### Service Adapters

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- *Data Encryption Service Adapter (ESA) Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/service/3279encr.htm>
  - *Integrated Service Adapter and Integrated Service Module Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/service/sa\\_isa/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/service/sa_isa/index.htm)
  - *SA-Comp/1 and SA-Comp/4 Data Compression Service Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/service/sa\\_comp/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7202/portadpt/service/sa_comp/index.htm)
  - *VPN Acceleration Module Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/vam/index.htm>
  - *VPN Acceleration Module 2 (VAM2) Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/accelmod/sa\\_vam2/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/accelmod/sa_vam2/index.htm)
  - *VPN Acceleration Module 2+ (VAM2+) Installation and Configuration Guide*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/accelmod/vam2p/index.htm>
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### Sonet

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- *PA-POS-OC3 Packet OC-3 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port\\_adp/sonet\\_pa/paposoc3/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port_adp/sonet_pa/paposoc3/index.htm)
  - *PA-POS-2OC3 Two-port Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/sonet\\_pa/3028\\_2oc/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/sonet_pa/3028_2oc/index.htm)
  - *PA-POS-1OC3 Single-Port Port Adapter Installation and Configuration Guide*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7301/73pa/73-son/6514\\_1oc/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7301/73pa/73-son/6514_1oc/index.htm)
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### Token Ring

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- *PA-4R-FDX Full-Duplex Token Ring Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/tokenrng/40534rfd.htm>
  - *PA-4R-DTR Dedicated Token Ring Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/tokenrng/50864rdt/index.htm>
  - *PA-4R Half-Duplex Token Ring Port Adapter Installation and Configuration*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/tokenrng/2661v24r.htm>
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### Voice

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- *MIX-Multichannel T1/E1 Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/voice\\_pa/pa\\_mcx/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7200vx/portadpt/voice_pa/pa_mcx/index.htm)
  - *T1/E1 Digital Voice Port Adapter Installation and Configuration*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/voice\\_pa/pa\\_t1\\_e1/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/cis7505/portadpt/voice_pa/pa_t1_e1/index.htm)
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## Cables and Attenuator Kit

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- *Installing High-Speed Serial Interface Cables*  
[http://www.cisco.com/univercd/cc/td/doc/product/access/acs\\_mod/cis4000/4000cn/hssicab.htm](http://www.cisco.com/univercd/cc/td/doc/product/access/acs_mod/cis4000/4000cn/hssicab.htm)
  - *Installing the 75-Ohm In-line Coaxial Attenuator on Cisco Port Adapters*  
<http://www.cisco.com/univercd/cc/td/doc/product/core/7206/fru/12884att.htm>
  - *Installing the 75-120 Ohm Adapter Cable on E1 Multichannel Port Adapters*  
[http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port\\_adp/multich/6728cabl.htm](http://www.cisco.com/univercd/cc/td/doc/product/core/7206/port_adp/multich/6728cabl.htm)
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# Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised technical documentation at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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This document is to be used in conjunction with the documents listed in the “[Product Documentation Sets](#)” section.