

COMPACT 10/100 SWITCHES

- Compliant with IEEE 802.3, 802.3u and 802.3x standards
- 5 or 8 auto-sensing 10/100Mbps Ethernet RJ-45 ports
- Automatic MDI/MDIX crossover for all ports
- Store-and-Forward switching architecture
- Auto-detect of full/half-duplex mode in all ports
- Back-pressure for Half-duplex , Pause frame for Full-duplex
- Compact Dim: 110mm x 70mm x 19mm (LxWxH)
- Plug-and-Play configuration auto addresses learning
- Embedded 4K-entry MAC address table
- 128KB memory buffer sharing
- LED-indicators for Power, Link/activity, 100Mbps
- Broadcast Storm protection
- Space-saving compact size : 4.3 inches (Compact)

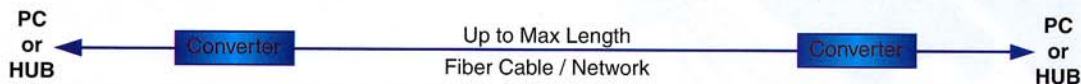
SWH-110-5 10/100 Switch 5 Ports, Compact
SWH-110-8 10/100 Switch 8 Ports



100 BASE T FIBER CONVERTER

- Conforms to IEEE 802.3u 100Base-TX, 100Base-FX Ethernet standards
- Converts UTP cabling to 100Base-FX (fiber) cabling
- Two RJ-45 connectors, MDI and MDI-X port for UTP
- One SC/ST/MT-RJ/VF-45 multi-mode fiber Connector or SC single-mode fiber Connector
- 2 DIP-switches to set the operation mode for UTP, Fiber Ports
- 4 Diagnostic LEDs for Power, TX Link/Act, FX Link/Act, FDX
- Support Multi-mode fiber connectivity up to 2Km or Single-mode fiber connectivity for longer distance
- External DC power adapter

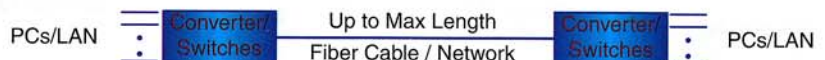
ADL-100BT2FST-MM ST Connector/ Multimode Max Dist. 2km
ADL-100BT2FSC-MM SC Connector/ Multimode Max Dist. 2km
ADL-100BT2FSC-SM SC Connector/Singlemode Max Dist. 60km



10/100 SWITCH WITH 100BASE T FIBER CONVERT

- 5X 10/100Mbps Fast Ethernet UTP switch ports
- MDI uplink port for easy expansion
- One 100Mbps Fast Fiber (SC/SC single-mode/ST/MT-RJ/ VF-45) port
- 1 Dip-Switch to select fiber port full-duplex or half-duplex mode
- N-Way auto-negotiation supported
- Full-duplex and half-duplex supported
- Store-and forward switching architecture for abnormal packet filtering
- Full wire speed forwarding rate
- 4K-entry MAC address table
- 256KB Memory Buffer
- LED-indicators for Power, 10/100M, LK/ACT, FD/COL statuses
- Compact palm size – 6.5", 165mm x 100mm x 24mm (LxWxH)

SWH-110MT-5 MTRJ Connector + 5 Ports 10/100 Switch
SWH-110VF-5 VF-45 Connector + 5 Ports 10/100 Switch
SWH-110SC-5 SC Connector + 5 Ports 10/100 Switch
SWH-110ST-5 ST Connector + 5 Ports 10/100 Switch

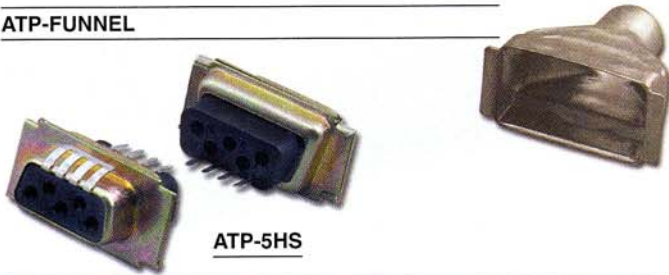


ATP CONNECTOR

- HP Type D-Sub Connector

ATP-3HP	HP Typed D-sub 3 pin plug (male)
ATP-3HS	HP Typed D-sub 3 pin socket (female)
ATP-5HP	HP Typed D-sub 5 pin plug (male)
ATP-5HS	HP Typed D-sub 5 pin socket (female)

ATP-FUNNEL

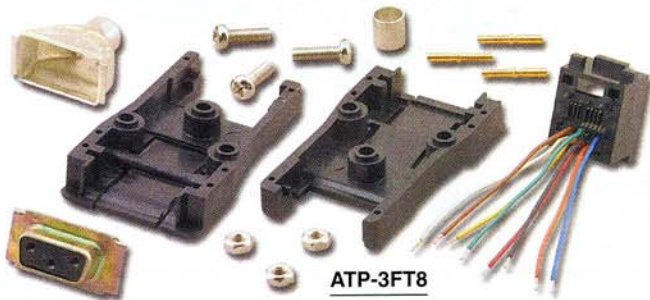


ATP MODULAR ADAPTOR KITS

- ATP Connector with RJ Jack
- Gold Plated Contact Pins
- Used on HP Systems

ATP-3FT8 ATP Jack to 8P8C

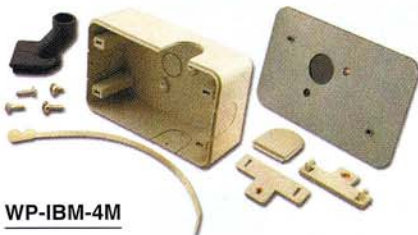
ATP-3MT6	ATP Plug to RJ-11 Kit
ATP-3MT8	ATP Plug to RJ-45 Kit
ATP-5MT6	ATP Plug to RJ-11 Kit
ATP-5MT8	ATP Plug to RJ-45 Kit



IBM SURFACE BOXES & FACE PLATES

- Surface Mount Boxes for Data and/ or Keystone Connectors
- Choice of Data Connectors **See Page 43.**

WP-IBM-1P	Type 1 Face plate (IBM#8310572)
WP-IBM-2P	Type 2 Face plate (IBM#6091025)
WP-IBM-3P	Face plate W/ 2 Keystone Holes
WP-IBM-3M	Surface Box with magnet for Face plates
WP-IBM-4M	Surface Box with magnet, for Face plates

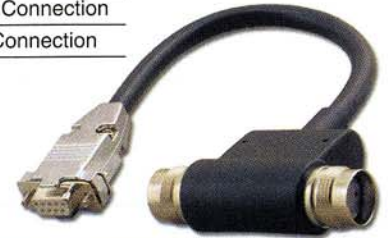


TWINAX STRAP & T ASSEMBLIES

- Use on IBM System/3X Computer W/52XX Terminal & Control Units
- Choice of either DB9, DB15 or Twinax Device Connection
- **Self Termination** Assembly assures Signal (data) Connection integrity while disconnecting.

DC-TA707A/CO	Twinax Device Connection, Color Monitor
DC-TA707A/M	Twinax Device Connection, Monochrome Monitor
DC-TA709A/15	DB15 Device Connection
DC-TA709A/9	DB9 Device Connection

DC-TA709A/9



ATP CONNECTOR KITS

- D-Sub 9position Shell with 3 or 5 contacts.
- Gold Plated Crimping Pin
- Used on HP Systems and Connections

ATP-KIT-3P	ATP Plug Kit, 3C
ATP-KIT-3S	ATP Socket Kit, 3C
ATP-KIT-5P	ATP Plug Kit, 5C
ATP-KIT-5S	ATP Socket Kit, 5C



- **Impedance Matching Baluns:** Matches 150 Ohm Shielded Twisted Pair Cable to 105 Ohm Unshielded Twisted Pair Cable.
- **Wiring Matching Adaptors:** Matches Unshielded Twisted Pair Wiring to Typical Applications Wirings, Includes IBM 3270 and 10 Base T
- Gold Plated Contacts.
- Custom Wiring Available, Please Call.



Part #	MOD Jack	Data Connector				Notes
		BK	OR	GN	RD	
DC-MD-4C	RJ-11	2	5	4	3	
DC-MD-6C DC-1D-70-11	RJ-11	2	5	4	3	1, 6 Ground
DC-MD-8C-1 DC-1D-71-45	RJ-45	2	1	5	4	3, 6 Gnd; 7, 8 NC
DC-MD-8C-2 DC-1D-72-45	RJ-45	3	6	5	4	1, 2 Gnd; 7, 8 NC
DC-MD-8C-3 DC-1D-73-45 DC-1D-73C-45	RJ-45	6	3	2	1	4, 5, 7, 8 NC → 100 Base T

- For IBM's Token Ring Networks
- Both Type A (AMP) and Type B (T&B) are Available
- Gold Plated Contacts, 4 Color Coded, Self Shorting Termination
- All UL Listed



DC-M-1M	(AMP554000-1); 45°, 90° & 180° Cable Exit IBM Type A
DC-M-1M4	(AMP554000-4) 180° Cable Exit only
DC-M-1M-TW	U.S. Patent # 5088934, Economy Imported Version
DC-M-1M-TW2	45°, 90° & 180° Cable Economy Imported Version

- **Balun**: A device used to connect a **BALANCED** Line (typically Twisted Pair Cables) and an **UNbalanced** Line (typically Coax Cables).
- Baluns are used to substitute UTP (Twisted Pair Cables) for Coax and are usually used in pairs.
- **Transmission Distance** : Generally effective up to 1000ft (330m) on 22/24 AWG Solid twisted pair cables. Some up to 2400ft (700m) see notes.

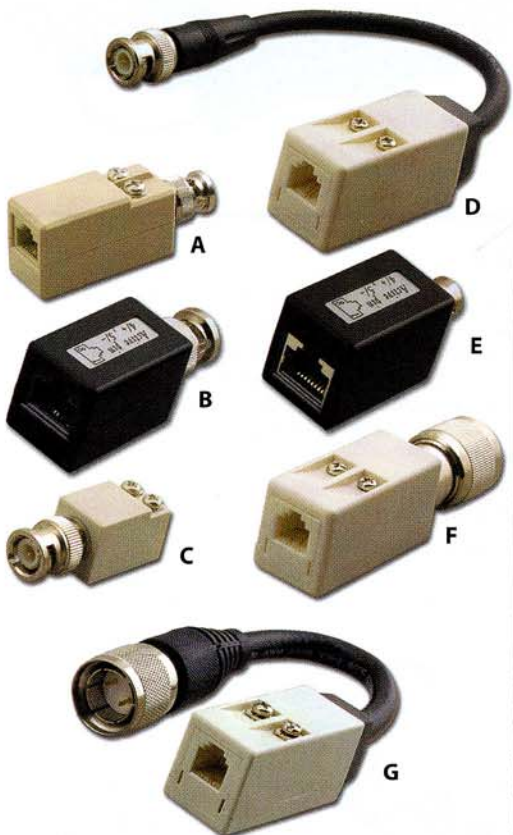
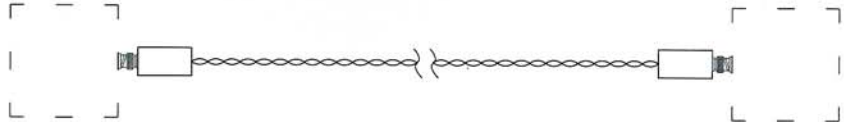


Figure	Part #	Coax Connector	Modular Jack		Coax Impedance
			Style	Signa/Ground	
A	DC-1A-34	BNC Male	RJ11	3; 4	93Ω
A	DC-1ATH45-45	BNC Male	RJ45	3; 4	LAN, 50Ω
A	DC-1A-43G	BNC Male	RJ11	4; 3	93Ω
A	DC-1A45-45	BNC Male	RJ45	4; 5	93Ω
B	DC-1A45-4575-A	BNC Male	RJ45	4; 5	CCTV, 75Ω
A	DC-1A45-2178	BNC Male	RJ45	2; 1	93Ω
B	DC-1A45-8775-A	BNC Male	RJ45	8; 7	CCTV, 75Ω
A	DC-1A-25	BNC Male	RJ11	2; 5	93Ω
B	DC-1AM-34	BNC Male	RJ11**	3; 4	93Ω
C	DC-1AS	BNC Male	None*	None*	--
A	DC-1A-DEC	BNC Male	DEC	1; 3	DEC
D	DC-1AP-34	BNC Male with "Pigtal"	RJ11	3; 4	93Ω
D	DC-1AP45-45-75A	BNC Male	RJ45	4, 5	75Ω
D	DC-1AP-45-45	BNC Male with "Pigtal"	RJ45	4; 5	93Ω
D	DC-1ASP-34@	BNC Male, Super Balun	RJ11	3; 4	93Ω
E	DC-1B45-4575-A	BNC Female	RJ45	4; 5	CCTV, 75Ω to 100Ω
E	DC-1B45-4575-C	BNC Female	RJ45	4; 5	CCITT, 75Ω to 120Ω
E	DC-1B-34	BNC Female	RJ11	3; 4	93Ω
F	DC-1C-25	Twinax Male	RJ11	2; 5	ROLM
F	DC-1C-34	Twinax Male	RJ11	3; 4	93Ω
F	DC-1C45-45	Twinax Male	RJ45	5; 4	93Ω
G	DC-1CP-34	Twinax Male	RJ11	3; 4	93Ω
G	DC-1CSP-34@	Twinax Male, Super Balun	RJ11	3; 4	93Ω
N/A	DC-IIAP	BNC & TNC Male, with "Pigtal"	RJ11	2, 3; 4, 5	WANG

Note: All baluns include both screw tap and modular jack unless otherwise noted.
 * -- Screw Tap Only
 ** -- Modular Jack Only
 @ -- Super Balun Transmission Distance of Up to 2400ft. (700m)