



Access Bank I Product Guide

Access Bank I

T1 voice multiplexer/channel bank/small-line digital loop carrier and CSU supporting 12 or 24 analog lines.
Optional Remote Monitor management modem and management software.

Item	Part Number	Description
Configured Systems		
Access Bank I with AB-115 Power for AC Conversion		
ABI Base w/AC Cube	900-0075	ABI chassis, 1 T1, LIU+ controller, AC converter
ABI FXS w/AC Cube	900-0019	ABI chassis, 1 T1, LIU+ controller, AC converter, 12 FXS
ABI FXS/FXS w/AC Cube	900-0001	ABI chassis, 1 T1, LIU+ controller, AC converter, 24 FXS
ABI FXO w/AC Cube	900-0020	ABI chassis, 1 T1, LIU+ controller, AC converter, 12 FXO
ABI FXO/FXO w/AC Cube	900-0002	ABI chassis, 1 T1, LIU+ controller, AC converter, 24 FXO
ABI 4WEM/4WEM w/AC Cube	900-0003	ABI chassis, 1 T1, LIU+ controller, AC converter, 24 4-wire E&M
ABI 4FXO/8FXS w/AC Cube	900-0123	ABI chassis, 1 T1, LIU+ controller, AC converter, 4 FXO, 8 FXS
ABI 8FXO/16FXS w/AC Cube	900-0122	ABI chassis, 1 T1, LIU+ controller, AC converter, 8 FXO, 16 FXS
ABI 4FXO/20FXS w/AC Cube	900-0121	ABI chassis, 1 T1, LIU+ controller, AC converter, 4 FXO, 20 FXS
Access Bank I with 115 Charger, 50W for Carrier Access Battery Unit		
ABI Base w/Charger	910-0075	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger
ABI FXS w/Charger	910-0019	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 12 FXS
ABI FXS/FXS w/Charger	910-0001	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 24 FXS
ABI FXO w/Charger	910-0020	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 12 FXO
ABI FXO/FXO w/Charger	910-0002	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 24 FXO
ABI 4WEM/4WEM w/Charger	910-0003	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 24 4-wire E&M
ABI 4FXO/8FXS w/Charger	910-0123	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 4 FXO, 8 FXS
ABI 8FXO/16FXS w/Charger	910-0122	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 8 FXO, 16 FXS
ABI 4FXO/20FXS w/Charger	910-0121	ABI chassis, 1 T1, LIU+ controller, AC converter/battery charger, 4 FXO, 20 FXS
Access Bank I without Power Conversion for Direct -48 VDC Input		
ABI Base w/No Power	930-0075	ABI chassis, 1 T1, LIU+ controller, -48 VDC input

Item	Part Number	Description
ABI FXS w/No Power	930-0019	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 12 FXS
ABI FXS/FXS w/No Power	930-0001	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 24 FXS
ABI FXO w/No Power	930-0020	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 12 FXO
ABI FXO/FXO w/No Power	930-0002	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 24 FXO
ABI 4WEM/4WEM w/No Power	930-0003	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 24 4-wire E&M
ABI 4FXO/8FXS w/No Power	930-0123	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 4 FXO, 8 FXS
ABI 8FXO/16FXS w/No Power	930-0122	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 8 FXO, 16 FXS
ABI 4FXO/20FXS w/No Power	930-0121	ABI chassis, 1 T1, LIU+ controller, -48 VDC input, 4 FXO, 20 FXS

Access Bank I TR-08 with AB-115 Power for Conversion

ABI TR-08 Base w/AC Cube	900-0076	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter
ABI TR-08 SPOTS w/AC Cube	900-0047	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter, 12 SPOTS
ABI TR-08 SPOTS/SPOTS w/AC Cube	900-0004	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter, 24 SPOTS

Access Bank I TR-08 with 115 Charger, 50 W for Carrier Access Battery Unit

ABI TR-08 Base w/Charger	910-0076	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter/battery charger
ABI TR-08 SPOTS w/Charger	910-0047	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter/battery charger, 12 SPOTS
ABI TR-08 SPOTS/SPOTS w/Charger	910-0004	ABI chassis, 1 T1, LIU+ TR-08 controller, AC converter/battery charger, 24 SPOTS

Access Bank I TR-08 without Power Conversion for Direct -48 VDC Input

ABI TR-08 Base w/No Power	930-0076	ABI chassis, 1 T1 LIU+ TR-08 controller, -48 VDC input
ABI TR-08 SPOTS w/No Power	930-0047	ABI chassis, 1 T1 LIU+ TR-08 controller, -48 VDC input, 12 SPOTS
ABI TR-08 SPOTS/SPOTS w/No Power	930-0004	ABI chassis, 1 T1 LIU+ TR-08 controller, -48 VDC input, 24 SPOTS

Bundled Speedway Systems

Speedway / ABI / Battery Bundle	990-0006	1 ABI/FXS/FXS/Charger, 1 Speedway install kit, 1 Speedway 2nd unit cable kit, 1 battery
Speedway / 2 ABI / 2 Battery Bundle	990-0007	2 ABI/FXS/FXS/Charger, 1 Speedway install kit, 1 Speedway 2nd unit cable kit, 2 batteries
Speedway / ABI Bundle	990-0008	1 ABI/FXS/FXS/Charger, 1 Speedway install kit, 1 Speedway 2nd unit cable kit
Speedway / 2 ABI Bundle	990-0009	2 ABI/FXS/FXS/Charger, 1 Speedway install kit, 1 Speedway 2nd unit cable kit

Components

ABI LIU+	740-0007	Access Bank I LIU card with T1 CSU, power converter, ringing generator, ringback tone.
ABI LIU+ TR-08	740-0011	Access Bank I LIU card with TR-08 Firmware, T1 CSU, power converter, ringing generator, ringback tone.

Item	Part Number	Description
AB-115 AC Power Cube	730-0124	115VAC to -48 VDC power converter with cords.
AB-220 AC Power Cube	730-0083	220VAC/50Hz to -48 VDC power converter with cords.
D4/ESF LIU EPROM only	750-0018	EPROM for ABI LIU controller to convert from TR-08 operation to D4/ESF operation. LIU (PIC)
D4/ESF LIU+ EPROM only	750-0019	EPROM for ABI LIU+ controller to convert from TR-08 operation to D4 operation. LIU+ (PIC)
TR08/D4 LIU EPROM only	750-0020	EPROM for ABI LIU controller to convert from D4/ESF operation to TR-08 operation
TR08/D4 LIU+ EPROM only	750-0021	EPROM for ABI LIU+ controller to convert from D4 operation to TR-08 operation
4WEM Card	740-0003	12-Channel expansion or replacement card for 4-WIRE E&M or TO interface applications.
FXO Card	740-0004	12-Channel expansion or replacement card for FXO or DPT interface applications.
FXS Card	740-0008	12-Channel expansion or replacement card for FXS, FXSDN or PLARD interface applications.
BRFXS Card	740-0009	12-Channel expansion or replacement card for Battery Reversal FXS (BRFXS) or DPO interface applications.
SPOTS Card	740-0012	12-Channel expansion or replacement card for TR-08 Single Party Ringing and Universal Voice Grade (SPR/UVG) interfaces. This card is designed for TR-08 signaling.
4+8 Card	740-0022	12-Channel expansion or replacement card, 8 FXS channels and 4 FXO channels.
TR-08 Firmware Option	750-0003	1 TR-08 Firmware Option for field upgrade in units. Sent as three (3) programmable integrated circuits, one for LIU upgrade and two for FXS upgrade to SPOTS.
LIU+ TR-08 Firmware Option	750-0004	TR-08 Firmware Option for field upgrade in Access Bank I with LIU+. Sent as three (3) programmable integrated circuits, one for LIU+ upgrade and two for FXS upgrade to SPOTS.
LIU TR-08 to D4 Firmware	750-0013	TR-08 to D4 Firmware Option for field upgrade in Access Bank I with LIU. Sent as three (3) programmable integrated circuits, one for LIU upgrade and two for FXS upgrade.
LIU+ TR-08 to D4 Firmware	750-0014	TR-08 to D4 Firmware Option for field upgrade in Access Bank I with LIU+. Sent as three (3) programmable integrated circuits, one for LIU+ upgrade and two for FXS upgrade.

Access Bank I Accessories

ABI RM Kit	760-0012	Remote Monitor Kit for field or factory installation in Access Bank I with LIU.
ABI RM+ Kit	760-0001	Remote Monitor Kit for field or factory installation in Access Bank I with LIU+.
TR-08 Conversion Cable	005-0012	The TR-08 Cable reconciles the channel interleaving done within the TR-08 frame. It returns the channels to the same sequence as their Local Exchange Numbers (LENS). This cable is optional for TR-08 operation on the Access Bank I.
4WEM Normal Cable	005-0004	4-WIRE E&M normal mode cable for use with each 12-channel 4WEM card.
4WEM Tandem Cable	005-0005	4-WIRE E&M tandem mode cable for use with each 12-channel 4WEM card.
4WEMTO Cable	005-0006	Transmission Only (TO) Mode cable for use with each 12-channel 4WEM card.

Item	Part Number	Description
Speedway 2nd Unit Cable Kit	710-0008	50 pin Amphenol cable and wiring terminal block.
T1 Surge Suppressor	790-0001	T1 Surge Protector protects customer T1 circuit connections and ensures continuation of service under extreme lightening conditions - RJ48.
4WEM Faceplate	710-0078	Used with Access Bank I/II cases when installing 4WEM cards as field upgrades to existing units.
Speedway Installation Kit	710-0007	Provides all the components required to install up to two units, battery backup, power converters, and up to 4 wiring terminal blocks. Includes one cable and one block.
Wiring Terminal Block	710-0009	Additional wiring terminal block.
Tri-Mount Bracket	710-0002	Tri-mount bracket for wall mounting up to three Access Bank family products/respective power converters or battery chargers.
19" Vertical Mount Crossbar Pair	710-0115	Two (2) heavy-duty 19" horizontal crossbars for vertical installation in equipment racks and cabinets.
19" Rack Bracket Pair	710-0041	Two (2) heavy-duty 19" rack mount brackets for installation in equipment racks and cabinets with variable front to back offset.
23" Rack Bracket Pair	710-0130	Two (2) heavy-duty 23" rack mount brackets for installation in equipment racks and cabinets with variable front to back offset.
Wall Mount Brackets	710-0015	Wall mounting bracket set (4 pieces).
ABI Manual (Hard Copy)	770-0005	Access Bank I installation manual and user guide.
AB Family CD-ROM	770-0002	CD ROM with ABI, ABII, and AE manuals with remote monitor software.

Universal Accessories

Battery Unit	730-0114	Battery unit for combination with battery charger 730-0116.
Power Converter/Battery Charger	730-0116	115VAC to -48 VDC power converter and battery charger for combination with battery unit 730-0114.
23" Vertical Mount Crossbar	710-0004	Two (2) heavy duty 23" horizontal crossbars for vertical installation in equipment racks and cabinets.
19" Power Supply Shelf	710-0005	Shelf mounts up to 3 AC power cubes/battery chargers in a 2-Rack Unit (2RU) space.