



Access Bank II Product Guide

Access Bank II

Dual T1 voice and data multiplexer/channel bank/small-line digital loop carrier and CSU/DSU supporting 12 or 24 analog lines with one V.35 interface, one RS-232 synchronous/asynchronous interface, and Windows 95-based GUI management included.

Access Bank II w/ RPM

Remote **P**rovisioning and **M**anagement provides all of the capabilities of the standard Access Bank II plus enhanced management, configuration, and alarming. Includes Snap StaRT provisioning capabilities for AB II/RPM, AB II/SNMP, and AB II/SDSL units when used with the Access Navigator DCS or Access Navigator/GR-303 Host. Snap StaRT enables service pre-provisioning at the Navigator with automatic configuration download to the remote during installation to simplify service deployment.

Access Bank II/SNMP/RPM

Dual T1 voice and data multiplexer/channel bank/small-line digital loop carrier and CSU/DSU supporting 12 or 24 analog lines with one V.35 interface, one RS-232 synchronous interface, command line interface (CLI), SNMP/Telnet via 10BaseT Ethernet, Windows 95-based GUI management, and RPM included.

Item	Part Number	Description
------	-------------	-------------

Configured Systems

NO MANAGEMENT

Access Bank II with AB-115 Power for AC Conversion

ABII Base w/AC Cube	900-0133	ABII chassis, 2 T1s, nodal controller, V.35, AC converter,
ABII FXS w/AC Cube	900-0134	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 12 FXS
ABII FXS/FXS w/AC Cube	900-0136	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 24 FXS
ABII FXO w/AC Cube	900-0140	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 12 FXO
ABII FXO/FXO w/AC Cube	900-0141	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 24 FXO
ABII 4WEM/4WEM w/AC Cube	900-0142	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 24 4-wire E&M
ABII 4FXO/8FXS w/AC Cube	900-0135	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 4 FXO, 8 FXS
ABII 8FXO/16FXS w/AC Cube	900-0138	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 8 FXO, 16 FXS
ABII 4FXO/20FXS w/AC Cube	900-0137	ABII chassis, 2 T1s, nodal controller, V.35, AC converter, 4 FXO, 20 FXS

Access Bank II with 115 Charger, 50W for Carrier Access Battery Unit

ABII Base w/Charger	910-0133	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger
ABII FXS w/Charger	910-0134	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 12 FXS
ABII FXS/FXS w/Charger	910-0136	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 24 FXS
ABII FXO w/Charger	910-0140	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 12 FXO

Item	Part Number	Description
ABII FXO/FXO w/Charger	910-0141	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 24 FXO
ABII 4WEM/4WEM w/Charger	910-0142	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 24 4-wire E&M
ABII 4FXO/8FXS w/Charger	910-0135	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 4 FXO, 8 FXS
ABII 8FXO/16FXS w/Charger	910-0138	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 8 FXO, 16 FXS
ABII 4FXO/20FXS w/Charger	910-0137	ABII chassis, 2 T1s, nodal controller, V.35, AC converter/battery charger, 4 FXO, 20 FXS

Access Bank II without Power Conversion for Direct -48 VDC Input

ABII Base w/No Power	930-0133	ABII chassis, 2 T1s, nodal controller, -48 VDC input
ABII FXS w/No Power	930-0134	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 12 FXS
ABII FXS/FXS w/No Power	930-0136	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 24 FXS
ABII FXO w/No Power	930-0140	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 12 FXO
ABII FXO/FXO w/No Power	930-0141	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 24 FXO
ABII 4WEM/4WEM w/No Power	930-0142	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 24 4-wire E&M
ABII 4FXO/8FXS w/No Power	930-0135	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 4 FXO, 8 FXS
ABII 8FXO/16FXS w/No Power	930-0138	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 8 FXO, 16 FXS
ABII 4FXO/20FXS w/No Power	930-0137	ABII chassis, 2 T1s, nodal controller, -48 VDC input, 4 FXO, 20 FXS

RPM MANAGEMENT

Access Bank II RPM with AB-115 Power for AC Conversion

ABII RPM Base w/AC Cube	900-0174	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter
ABII RPM FXS w/AC Cube	900-0175	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 12 FXS
ABII RPM FXS/FXS w/AC Cube	900-0177	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 24 FXS
ABII RPM FXO w/AC Cube	900-0180	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 12 FXO
ABII RPM FXO/FXO w/AC Cube	900-0181	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 24 FXO
ABII RPM 4WEM/4WEM w/AC Cube	900-0182	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 24 4-wire E&M
ABII RPM 4FXO/8FXS w/AC Cube	900-0176	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 4 FXO, 8 FXS
ABII RPM 8FXO/16FXS w/AC Cube	900-0179	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 8 FXO, 16 FXS
ABII RPM 4FXO/20FXS w/AC Cube	900-0178	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter, 4 FXO, 20 FXS

Access Bank II RPM with 115 Charger, 50W for Carrier Access Battery Unit

ABII RPM Base w/Charger	910-0174	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger
ABII RPM FXS w/Charger	910-0175	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 12 FXS
ABII RPM FXS/FXS w/Charger	910-0177	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 24 FXS
ABII RPM FXO w/Charger	910-0180	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 12 FXO

Item	Part Number	Description
ABII RPM FXO/FXO w/Charger	910-0181	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 24 FXO
ABII RPM 4WEM/4WEM w/Charger	910-0182	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 24 4-wire E&M
ABII RPM 4FXO/8FXS w/Charger	910-0176	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 4 FXO, 8 FXS
ABII RPM 8FXO/16FXS w/Charger	910-0179	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 8 FXO, 16 FXS
ABII RPM 4FXO/20FXS w/Charger	910-0178	ABII chassis, 2 T1s, nodal controller, RPM, V.35, AC converter/battery charger, 4 FXO, 20 FXS

Access Bank II RPM without Power Conversion for Direct -48 VDC Input

ABII RPM Base w/No Power	930-0174	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input
ABII RPM FXS w/No Power	930-0175	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 12 FXS
ABII RPM FXS/FXS w/No Power	930-0177	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 24 FXS
ABII RPM FXO w/No Power	930-0180	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 12 FXO
ABII RPM FXO/FXO w/No Power	930-0181	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 24 FXO
ABII RPM 4WEM/4WEM w/No Power	930-0182	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 24 4-wire E&M
ABII RPM 4FXO/8FXS w/No Power	930-0176	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 4 FXO, 8 FXS
ABII RPM 8FXO/16FXS w/No Power	930-0179	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 8 FXO, 16 FXS
ABII RPM 4FXO/20FXS w/No Power	930-0178	ABII chassis, 2 T1s, nodal controller, RPM, -48 VDC input, 4 FXO, 20 FXS

SNMP/RPM MANAGEMENT

Access Bank II SNMP/RPM with AB-115 Power for AC Conversion

ABII SNMP/RPM Base w/AC Cube	900-0068	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter
ABII SNMP/RPM FXS w/AC Cube	900-0054	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 12 FXS
ABII SNMP/RPM FXS/FXS w/AC Cube	900-0052	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 24 FXS
ABII SNMP/RPM FXO w/AC Cube	900-0058	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 12 FXO
ABII SNMP/RPM FXO/FXO w/AC Cube	900-0056	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 24 FXO
ABII SNMP/RPM 4WEM/4WEM w/AC Cube	900-0060	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 24 4-wire E&M
ABII SNMP/RPM 4FXO/8FXS w/AC Cube	900-0129	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 4 FXO, 8 FXS
ABII SNMP/RPM 8FXO/16FXS w/AC Cube	900-0128	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 8 FXO, 16 FXS
ABII SNMP/RPM 4FXO/20FXS w/AC Cube	900-0127	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter, 4 FXO, 20 FXS

Access Bank II SNMP/RPM with 115 Charger, 50W for Carrier Access Battery Unit

ABII SNMP/RPM Base w/Charger	910-0068	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger
ABII SNMP/RPM FXS w/Charger	910-0054	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 12 FXS
ABII SNMP/RPM FXS/FXS w/Charger	910-0052	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 24 FXS
ABII SNMP/RPM FXO w/Charger	910-0058	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 12 FXO

Item	Part Number	Description
ABII SNMP/RPM FXO/FXO w/Charger	910-0056	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 24 FXO
ABII SNMP/RPM 4WEM/4WEM w/Charger	910-0060	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 24 4-wire E&M
ABII SNMP/RPM 4FXO/8FXS w/Charger	910-0129	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 4 FXO, 8 FXS
ABII SNMP/RPM 8FXO/16FXS w/Charger	910-0128	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 8 FXO, 16 FXS
ABII SNMP/RPM 4FXO/20FXS w/Charger	910-0127	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, V.35, AC converter/battery charger, 4 FXO, 20 FXS

Access Bank II SNMP/RPM without Power Conversion for Direct -48 VDC Input

ABII SNMP/RPM Base w/No Power	930-0068	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input
ABII SNMP/RPM FXS w/No Power	930-0054	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 12 FXS
ABII SNMP/RPM FXS/FXS w/No Power	930-0052	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 24 FXS
ABII SNMP/RPM FXO w/No Power	930-0058	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 12 FXO
ABII SNMP/RPM FXO/FXO w/No Power	930-0056	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 24 FXO
ABII SNMP/RPM 4WEM/4WEM w/No Power	930-0060	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 24 4-wire E&M
ABII SNMP/RPM 4FXO/8FXS w/No Power	930-0129	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 4 FXO, 16 FXS
ABII SNMP/RPM 8FXO/16FXS w/No Power	930-0128	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 8 FXO, 16 FXS
ABII SNMP/RPM 4FXO/20FXS w/No Power	930-0127	ABII chassis, 2 T1s, nodal controller, SNMP/RPM, -48 VDC input, 4 FXO, 20 FXS

Components

ABII Nodal Switch	740-0001	Access Bank II Nodal Switch Controller card with -48 VDC input, ringing generator, V.35 data port, RS232 data port, 25-pair tip and ring connector, digital cross connect/multiplexing software, SNMP/Ethernet management and RPM with Jump Start.
AB-115 AC Power Cube	730-0124	115VAC to -48VDC power converter with cords.
AB-220 AC Power Cube	730-0083	220VAC/50Hz to -48VDC power converter with cords.
ABII SDSL Controller	740-0033	Access Bank II SDSL Controller card with -48 VDC input, ringing generator, V.35 data port, RS232 data port, 25-pair tip and ring connector, digital cross connect/multiplexing software, SNMP/Ethernet management and RPM with Jump Start.
ABII FDL Upgrade Kit	750-0015	Software and OTP upgrade for AB II to enable RPM (FDL) management and provisioning with the Access Navigator.
FXS EPROM only	750-0016	EPROM for SPOTS analog line card using TR-08 to convert to FXS for D4 operation. (Need to order 2 of these if using 2 channel cards.)
SPOTS EPROM only	750-0017	EPROM for FXS analog line card using D4/ESF to convert to SPOTS for TR-08 operation. (Need to order 2 of these if using 2 channel cards.)
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.

Item	Part Number	Description
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.

Access Bank II Accessories

Remote Monitor Software	750-0025	Remote Monitor GUI Software CD ROM.
RS-232 Dual Cable	005-0001	Dual RS-232 DCE Data and Management Cable providing two RS-232 female connections: one for synchronous or asynchronous user data; one for Access Bank II management.
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.
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).
ABII Manual (Hard Copy)	770-0001	Installation and User Manual for Access Bank II family in hard copy.
AB Family CD-ROM	770-0002	CD ROM with ABI, ABII, and AE manuals with remote monitor software.

Universal Accessories

V.35 Data Cable - 10 ft. male V.35/male Winchester	005-0008	10 ft. V.35 Data Cable - male V.35 / male Winchester
V.35 Data Cable - 10 ft. male V.35/female Winchester	005-0014	10 ft. V.35 Data Cable - male V.35 / female Winchester

Item	Part Number	Description
Battery Unit	730-0114	Battery unit for combination with battery charger 730-0116.
Power Converter/Battery Charger	730-0116	115VAC to -48VDC 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.