Adit 600 Product Guide

CarrierAccess

Adit 600 R8.0   *Broadband Customer Service Terminal which fulfills many channel bank, multiport CSU/DSU, Integrated Access Device, distributed DLC and Digital Cross-connect applications. Supports up to 18 T1s or E1s, 48 voice channels, 40 ISDN BRI ports, 12 V.35 ports, 24 All-Rate OCU-DP ports, 24 E&M/TO ports. Integrated SNMP and GUI management software. The most versatile small access platform available.*

Item	Part Number	Description
Configured T1 Systems		
Adit 600 Base 115/-48V	02-AA1-000000-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates
Adit 600 Base +24V	02-AA2-000000-00	+24V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates
8 FXS Ports	02-AA1-200000-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates, (1) 8-port FXS card
16 FXS Ports	02-AA1-220000-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (2) 8-port FXS cards
24 FXS Ports	02-AA1-222000-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (3) 8-port FXS cards
32 FXS Ports	02-AA1-222200-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (4) 8-port FXS cards
40 FXS Ports	02-AA1-222220-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplates, (5) 8-port FXS cards
48 FXS Ports	02-AA1-222222-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (6) 8-port FXS cards
Adit 600 Base and 2 V.35 Ports	02-AA1-00000C-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates, and (1) 2-port V.35 Card
8 FXS and 2 V.35 Ports	02-AA1-20000C-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS card, (1) 2-port V.35 card
16 FXS and 2 V.35 Ports	02-AA1-22000C-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards, (1) 2-port V.35 card
24 FXS and 2 V.35 Ports	02-AA1-22200C-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards, (1) 2-port V.35 card

32 FXS, and 2 V.35 ports	02-AA1-22220C-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplate, (4) 8-port FXS cards and (1) Dual V.35 Card
40 FXS, and 2 V.35 ports	02-AA1-22222C-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) Dual V.35 Card
16 FXS and Quad T-1 Card	02-AA1-22000E-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) Quad T1 Card
Adit 600 Base with Router	02-AA1-00000H-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates, and (1) Router Card
8 FXS Ports and Router	02-AA1-20000H-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS cards and (1) Router Card
16 FXS Ports and Router	02-AA1-22000H-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) Router Card
24 FXS Ports and Router	02-AA1-22200H-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) Router Card
32 FXS Ports and Router	02-AA1-22220H-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplates, (4) 8-port FXS cards and (1) Router Card
40 FXS Ports and Router	02-AA1-22222H-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) Router Card
Adit 600, 48 FXO	02-AA1-BBBBBB-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, and (6) 8-port FXO cards
Adit 600 40 ISDN-BRI Ports	02-AA1-EDDDDD-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, (5) Octal ISDN-BRI, 1 Quad T1

Configured E1 Systems

Adit 600 E1 Base 115/-48V	02-CA1-000000-00	115/-48V Chassis, power supply, Dual E1 TDM controller, SNMP & RPM management, 5 blank card faceplates
6 E1 Ports and Router	02-CA1-LH0000-00	115/-48V Chassis, power supply, Dual E1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) Quad E1 Card and (1) Router Card

Configured VoIP Systems

Adit 600 Base with CMG-02	02-AA1-000003-00	115/-48V Chassis, power supply, Dual T1 TDM controller, SNMP & RPM management, 5 blank card faceplates, and (1) CMG Router Card with 40 g.729 voice channel capacity
8 FXS Ports with CMG-02	02-AA1-200003-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS cards and (1) CMG (g.711, g.726, g.729-40) Card
16 FXS Ports with CMG-02	02-AA1-220003-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) CMG (g.711, g.726, g.729-40) Card
24 FXS Ports with CMG-02	02-AA1-222003-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) CMG (g.711, g.726, g.729-40) Card

32 FXS Ports with CMG-02	02-AA1-222203-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplates, (4) 8-port FXS cards and (1) CMG (g.711, g.726, g.729-40) Card
40 FXS Ports with CMG-02	02-AA1-222223-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplates, (5) 8-port FXS cards and (1) CMG (g.711, g.726, g.729-40) Card
Adit 600, 8 FXS, and CMG router	02-AA1-20000M-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS card and (1) CMG Router Card
Adit 600, 16 FXS, and CMG router	02-AA1-22000M-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) CMG Router Card
Adit 600, 24 FXS, and CMG router	02-AA1-22200M-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) CMG Router Card
Adit 600, 32 FXS, and CMG router	02-AA1-22220M-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplate, (4) 8-port FXS cards and (1) CMG Router Card
Adit 600, 40 FXS, and CMG router	02-AA1-22222M-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) CMG Router Card
Adit 600, 8 FXS, and CMG G.729 router	02-AA1-20000U-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS cards and (1) CMG G.729 Router Card
Adit 600, 16 FXS, and CMG G.729 router	02-AA1-22000U-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) CMG G.729 Router Card
Adit 600, 24 FXS, and CMG G.729 router	02-AA1-22200U-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) CMG G.729 Router Card
Adit 600, 32 FXS, and CMG G.729 router	02-AA1-22220U-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplate, (4) 8-port FXS cards and (1) CMG G.729 Router Card
Adit 600, 40 FXS, and CMG G.729 router	02-AA1-22222U-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) CMG G.729 Router Card
Adit 600, 8 FXS, and CMG-01 router	02-AA1-200004-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS card and (1) CMG-01 Router Card
Adit 600, 16 FXS, and CMG-01 route	02-AA1-220004-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) CMG-01 Router Card
Adit 600, 24 FXS, and CMG-01 route	02-AA1-222004-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) CMG-01 Router Card
Adit 600, 32 FXS, and CMG-01 route	02-AA1-222204-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplate, (4) 8-port FXS cards and (1) CMG-01 Router Card
Adit 600, 40 FXS, and CMG-01 route	02-AA1-222224-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) CMG-01 Router Card
Adit 600, 8 FXS, and CMG-01 G.729 router	02-AA1-200007-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 4 blank card faceplates, (1) 8-port FXS cards and (1) CMG-01 G.729 Router Card
Adit 600, 16 FXS, and CMG-01 G.729 router	02-AA1-220007-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 3 blank card faceplates, (2) 8-port FXS cards and (1) CMG-01 G.729 Router Card
Adit 600, 24 FXS, and CMG-01 G.729 router	02-AA1-222007-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 2 blank card faceplates, (3) 8-port FXS cards and (1) CMG-01 G.729 Router Card

Adit 600, 32 FXS, and CMG-01 G.729 router	02-AA1-222207-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, 1 blank card faceplate, (4) 8-port FXS cards and (1) CMG-01 G.729 Router Card
Adit 600, 40 FXS, and CMG-01 G.729 router	02-AA1-222227-00	115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, (5) 8-port FXS cards and (1) CMG-01 G.729 Router Card

Components		
115/-48V Chassis	02-000-000000-00	Empty 115/-48V Enclosure with backplane and 5 blank card faceplates.
115/-48V Power Supply Card	730-0040	115VAC/-48VDC power supply / battery charger w/ AC cord for 115/-48V Adit 600 Base P/No. 02-AA1-000000-00 and 115/-48V Chassis P/No. 02-000-000000-00
+24VDC Power Supply Card	740-0064	+24VDC Power Supply Card for +24V Adit 600 Base P/No. 02-AA2-000000-01
230V Power Supply	740-0082	230V Power Supply
Dual T1 TDM Controller Card	740-0039	One controller card required per system or chassis. Includes SNMP & RPM management features. *Note: Minimum controller software release required is Rev. 1.2.2*
Dual E1 TDM Controller Card	740-0071	One controller card required per system or chassis. Includes SNMP & RPM management features. *Note: Minimum E1 controller software release required is Rev. 3.2.0*
CMG VoIP Router Card	740-0070	CMG Router Card, supporting 16 G.711 - *Note: Minimum controller software release required is Rev. 4.0*
CMG VoIP Router Card w/G.729ab	740-0089	CMG Router Card with G.729ab low bit rate CODEC support-24 channels *Note: Minimum controller software release required is Rev. 6.1*
CMG-01 VoIP Router Card	740-0286	CMG-01 VoIP Router Card, supporting 24 G.711 channels - *Note: Minimum controller software release required is Rev. 9.4*
CMG-01 Router Card w/G.729ab-24	740-0284	CMG-01 VoIP Router Card with G.729ab low bit rate CODEC support-24 channels *Note: Minimum controller software release required is Rev. 9.4*
CMG-02 Router Card-G.729ab-48	740-0238	CMG Router Card with G.729ab low bit rate CODEC support-48 channels. Note: Physical limitation of the Adit 600 is 40 FXS ports with a CMG module.
FXS-8 Card (8B Version)	740-0240	8 channel expansion or replacement card for FXS interface applications. Supports GR-909 loop tests.
FXS-8 Card (8C Version)	740-0285	8 channel expansion or replacement card for FXS interface applications. Supports GR-909 loop tests and CPD.
Software Key for CMG card - G.729 capability	752-0001	Software upgrade for adding G.729 to the CMG Router Card
Quad Terminal Server Router Card	740-0079	Quad Terminal Server Router Card, *Note: Minimum controller software release required is Rev. 4.1*
Octal P-phone Card	740-0088	8-channel P-phone card for Nortel Electronic Business Set (EBS) applications. *Note: Minimum controller software release required is Rev. 6.0.*
FXO-8 Card	740-0037	8 channel expansion or replacement card for FXO or DPT interface applications. *Note: Minimum controller software release required is Rev. 1.2.2*
Quad DS1/E1 Card	740-0075	Four channel DS1/E1 card for T1 voice and T1/E1 data applications. *Note: Minimum controller software release required is Rev. 7.0*

Dual V.35 Card	740-0038	Two-channel V.35 data card for connecting a router or other data equipment. Requires one V.35 cable (listed below) per port.
Dual RS-232 Synchronous Data Card	740-0209	Two-channel RS-232 synchronous data card with V.54 loopback and BERT Test Capability. *Note: Minimum controller software release required is Rev. 5.0*
Dual RS-232 Synchronous Data Card with Adapter Cables	740-0222	Two-channel RS-232 synchronous data card with (2) 005-0166 DB-26M SCSI-to-RJ45 adapter cables. *Note: Minimum controller software release required is Rev. 5.1*
Dual ISDN BRI Card	740-0041	Two-channel ISDN BRI card for 3DS0 LULT or LUNT applications. *Note: Minimum controller software release required is Rev. 1.2.2*
Quad ISDN BRI Card	740-0048	Four-channel ISDN BRI card for 3DS0 LULT or LUNT applications. *Note: Minimum controller software release required is Rev. 1.2.2*
Octal ISDN BRI Card	740-0042	Eight-channel ISDN BRI card for 3DS0 LULT or LUNT applications. *Note: Minimum controller software release required is Rev. 1.2.2*
10/100 Base-TX Router Card	740-0047	Single port router supporting IP/IPX routing and layer 2 bridging. *Note: Minimum controller software release required is Rev. 1.4.1*
Single Port OCU-DP Card	740-0066	Single port all rate OCU-DP Card for DDS Service delivery applications. *Note: Minimum controller software release required is Rev. 3.2.0*
Quad Port OCU-DP Card	740-0067	Quad port all rate OCU-DP Card for DDS Service delivery applications. *Note: Minimum controller software release required is Rev. 3.2.0*
Quad DS1 ADPCM Card	740-0091	Four channel T1 card with 32Kb ADPCM voice compression on Port 1 for voice and data applications. *Note: Minimum controller software release required is Rev. 7.0*
Quad 4-Wire E&M/TO Card	740-0090	Four channel 4-Wire E&M/TO card for voice applications. *Note: Minimum controller software release required is Rev. 8.0*
Blank Faceplates	710-0011	Blank faceplates for empty service card slots.

Adit 600 Accessories

19" and 23" NEBS CO Rack Installation Kit	710-0019	NEBS certified 19" and 23" rack mount solution for mounting two Adit 600 chassis side-by-side.
19" and 23" Rack Installation Kit	710-0016	19" and 23" rack mount brackets for mounting two Adit 600 chassis side-by-side, 6-pin mating alarm connector and ground lug.
Two-conductor DC power connectors (5 ea.)	790-0004	Mates with -48 DC power connector on rear of Adit 600.
Single Rack Installation Kit connectors & mounting hardware	790-0006	Contains ground lug, mating DC power and alarm connectors, mounting hardware.
One DC power connector, one grounding lug	790-0008	Mates with -48 DC power connector and ground studs on rear of Adit 600.

Dual T1 TDM Operating System Update	750-0027	CD ROM for TFTP-loaded field update. Includes SNMP and RPM management.
Manual (CD-ROM)	770-0008	CD ROM version of Adit 600 manual. Included with each Adit 600 system.
Speedway optional 2nd Battery Shelf	710-0025	Optional 2nd battery mounting shelf for Speedway wall mount configurations. (Note: Battery Unit P/N 730-0114 must be ordered separately)
Speedway dual battery cable	005-0091	Dual battery cable, used when using Speedway Installation Kit and 2nd Battery
Speedway Installation Kit	710-0024	Wall Mount Kit with Swing away brackets for mounting single Adit 600 and power back-up battery. (Note: Battery Unit P/N 730-0114 must be ordered separately)

Universal Accessories		
Null Modem Adapter	005-0002	25-pin male/25-pin male
Serial Console Cable - 12 ft.	005-0064	12 ft. serial console cable with a DB-9 female and DB-9 male
DB-9 to DB-25 Female Adapter	005-0007	DB-9 to DB-25 female adapter
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
Installation Connector Kit	790-0011	One 66 block, one T-1 cable, one 10' Amphenol cable
Battery Unit	730-0114	Battery unit for use with Adit 600.
V.35 Data Cable - 25 ft. male V.35/female Winchester	005-0068	25 ft. V.35 Data Cable - male V.35 / female Winchester
V.35 Data Cable - 50 ft. male V.35/female Winchester	005-0069	50 ft. V.35 Data Cable - male V.35 / female Winchester
V.35 Data Cable - 25 ft. male V.35/male Winchester	005-0009	25 ft. V.35 Data Cable - male V.35 / male Winchester
V.35 Data Cable - 50 ft. male V.35/male Winchester	005-0010	50 ft. V.35 Data Cable - male V.35 / male Winchester
T1 Cable - 25 ft.	005-0101	25 ft. RJ48C-to-RJ48C T1 Straight Cable, RJ45 plug on each end
Ethernet Crossover Cable - 2 ft.	005-0102	2 ft. RJ45-to-RJ45 Ethernet Crossover Cable, RJ 45 plug on each end
Ethernet Straight Cable - 6 ft.	005-0103	6 ft. RJ45-to-RJ45 Ethernet Straight Cable, RJ 45 plug on each end

RJ48C-to-DB15P T1 Connector Adaptor	005-0104	RJ48C-to-DB15P T1 Connector Adaptor
RJ45-to-DB9P Connector Adaptor	005-0105	RJ45-to-DB9P Connector Adaptor - wired with TXD, RXD and SG
RJ45-to-DB9P Connector Adaptor	005-0106	RJ45-to-DB9P Connector Adaptor - wired with control signals
Grayson LMU V.35 Adapter Cable	005-0186	6' Cable Right Angle DB-25S (Female) to SCSI-26 (male) with Latches
Grayson LMU V.35 Adapter Cable	005-0187	10' Cable Right Angle DB-25S (Female) to SCSI-26 (male) with Latches
Grayson LMU V.35 Adapter Cable	005-0188	25' Cable Right Angle DB-25S (Female) to SCSI-26 (male) with Latches
Grayson LMU V.35 Adapter Cable	005-0189	50' Cable Right Angle DB-25S (Female) to SCSI-26 (male) with Latches
E&M Card Interface Cable - Normal	005-0216	RJ45 Plug on one end, 10 ft. CAT 5 cable, 4 Wire E&M normal mode, 24awg,
E&M Card Interface Cable - Tandem	005-0217	RJ45 Plug on one end, 10 ft. CAT 5 cable, 4 Wire E&M tandem mode, 24awg,
SCSI-26 to RJ-45 Jack Adapter cable	005-0166	SCSI-26 to RJ-45 Jack adapter cable for Dual RS-232 Synchronous Data card

Included Items

PORTS

• Two RJ-48C T1 ports with integrated CSUs

• Six service card slots for voice & data cards

• Two RJ-21X 50-pin Tip & Ring connectors

• Power input connector

• Female DB-9 RS-232 Management Port

• Single RJ-45 10BaseT port for Ethernet management

• Six-pin alarm connector - major & minor outputs, one input

• Standard three-conductor IEC Equipment AC Receptacle

ACCESSORIES

• Adit 600 user's manual on CD-ROM

• 6 ft. AC power cord

• Adit 600 five blank card face plates

SOFTWARE
• Adit 600 dual T1 TDM Operating System

POWER OPTIONS
• -48 VDC
• *Adit 600 battery charger options are available as noted in the above descriptions.*

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