



Adit 600 Product Guide

Adit 600 R7.0.2

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. Integrated SNMP and GUI management software. The most versatile small access platform available.

| Item | Part Number | Description |
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| 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-A00000-00 | 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-AA0000-00 | 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-AAA000-00 | 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-AAAA00-00 | 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-AAAAA0-00 | 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-AAAAAA-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-A0000C-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-AA000C-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-AAA00C-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 |

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| 32 FXS, and 2 V.35 ports | 02-AA1-AAAA0C-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-AAAAAC-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-AA000E-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-A0000H-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-AA000H-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-AAA00H-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-AAAA0H-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-AAAAAH-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, 8 FXS, and CMG router | 02-AA1-A0000M-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-AA000M-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-AAA00M-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-AAAA0M-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-AAAAAM-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 r | 02-AA1-A0000U-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 r | 02-AA1-AA000U-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 r | 02-AA1-AAA00U-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 r | 02-AA1-AAAA0U-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 r | 02-AA1-AAAAAU-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, 48 FXO | 02-AA1-BBBBBB-01 | 115/-48V Chassis with power supply, Dual T1 TDM controller, SNMP & RPM management, and (6) 8-port FXO cards |

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| 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 |
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Configured E1 Systems

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| 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 |

Components

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| 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. <i>Note: Minimum controller software release required is Rev. 1.2.2</i> |
| Dual E1 TDM Controller Card | 740-0071 | One controller card required per system or chassis. Includes SNMP & RPM management features. <i>Note: Minimum E1 controller software release required is Rev. 3.2.0</i> |
| CMG Router Card | 740-0070 | CMG Router Card, <i>Note: Minimum controller software release required is Rev. 4.0</i> |
| CMG Router Card with G.729ab | 740-0089 | CMG Router Card with G.729ab low bit rate CODEC support-24 channels <i>Note: Minimum controller software release required is Rev. 6.1</i> |
| 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, <i>Note: Minimum controller software release required is Rev. 4.1</i> |
| Octal P-phone Card | 740-0088 | 8-channel P-phone card for Nortel Electronic Business Set (EBS) applications. <i>Note: Minimum controller software release required is Rev. 6.0.</i> |
| FXS-8 Card (4G Version) | 740-0036 | 8 channel expansion or replacement card for FXS interface applications. <i>Note: Obsolete Part - Superseded by 740-0093</i> |
| FXS-8 Card (5G Version) | 740-0063 | 8 channel expansion or replacement card for FXS interface applications. <i>Note: Obsolete Part - Superseded by 740-0093</i> |
| FXS-8 Card (8A Version) | 740-0093 | 8 channel expansion or replacement card for FXS interface intra-building applications. <i>Note: Minimum controller software release required is Rev. 6.1</i> |
| FXO-8 Card | 740-0037 | 8 channel expansion or replacement card for FXO or DPT interface applications. <i>Note: Minimum controller software release required is Rev. 1.2.2</i> |
| Quad T1 Card | 740-0044 | Four channel T1 card for voice and data applications. <i>Note: Minimum controller software release required is Rev. 1.3.1 Note: 740-0044 superseded by 740-0075</i> |

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| Quad DS1/E1 Card | 740-0075 | Four channel DS1/E1 card for T1 voice and T1/E1 data applications. <i>Note: Minimum controller software release required is Rev. 7.0</i> |
| Quad E1 Card | 740-0072 | Four channel E1 card for data applications. <i>Note: Minimum controller software release required is Rev. 3.2.0 Note: 740-0072 superceded by 740-0075</i> |
| 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. Note: Obsolete Part - Superceded by 740-0065 |
| Dual V.35 Card with V.54 Test Capability | 740-0065 | Two-channel V.35 data card with V.54 loopback and BERT Test Capability. <i>Note: Minimum controller software release required is Rev. 3.0.1</i> |
| Dual RS-232 Synchronous Data Card | 740-0209 | Two-channel RS-232 synchronous data card with V.54 loopback and BERT Test Capability. <i>Note: Minimum controller software release required is Rev. 5.0</i> |
| 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. <i>Note: Minimum controller software release required is Rev. 5.1</i> |
| Dual ISDN BRI Card | 740-0041 | Two-channel ISDN BRI card for 3DS0 LULT or LUNT applications. <i>Note: Minimum controller software release required is Rev. 1.2.2</i> |
| Quad ISDN BRI Card | 740-0048 | Four-channel ISDN BRI card for 3DS0 LULT or LUNT applications. <i>Note: Minimum controller software release required is Rev. 1.2.2</i> |
| Octal ISDN BRI Card | 740-0042 | Eight-channel ISDN BRI card for 3DS0 LULT or LUNT applications. <i>Note: Minimum controller software release required is Rev. 1.2.2</i> |
| 10/100 Base-TX Router Card | 740-0047 | Single port router supporting IP/IPX routing and layer 2 bridging. <i>Note: Minimum controller software release required is Rev. 1.4.1</i> |
| Single Port OCU-DP Card | 740-0066 | Single port all rate OCU-DP Card for DDS Service delivery applications. <i>Note: Minimum controller software release required is Rev. 3.2.0</i> |
| Quad Port OCU-DP Card | 740-0067 | Quad port all rate OCU-DP Card for DDS Service delivery applications. <i>Note: Minimum controller software release required is Rev. 3.2.0</i> |
| Quad DS1 ADPCM Card | 740-0091 | Four channel T1 card with 32Kb ADPCM voice compression on Port 1 for voice and data applications. <i>Note: Minimum controller software release required is Rev. 7.0</i> |
| Quad 4-Wire E&M/TO Card | 740-0090 | Four channel 4-Wire E&M/TO card for voice applications. <i>Note: Minimum controller software release required is Rev. 8.0</i> |
| Blank Faceplates | 710-0011 | Blank faceplates for empty service card slots. |

Adit 600 Accessories

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| 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. Allows 4 RU (7") rack spacing per Adit 600 rack assembly. |
| 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. Allows 6 RU (10.5") rack spacing per Adit 600 assembly. |
| 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. |

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| 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. |
| Manual (Hard Copy) | 770-0009 | Paper version of the Adit 600 manual. |
| Speedway optional 2nd Battery Shel | 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

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| 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 |

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| 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.*