Burroughs B 1900 Series

▶ services include coordination of communication between tasks being executed at various hosts; control of the creation, updating, and transfer of data from host to host; and handling of communication with logical points within the network. Network services perform message routing, linking hosts using the Burroughs Data Link Control (BDLC) bit-oriented protocol. Network services also permit connection of Burroughs processors to packet-switching services using X.25 procedures. Links can also be established to non-Burroughs machines using currently available software such as NDL and MCS.

BURROUGHS DATA LINK CONTROL: Until the adoption of BDLC, a bit-oriented line control procedure for synchronous transmissions, Burroughs' protocol was Basic Mode, a character-oriented line control procedure. In the Basic Mode protocol system, the user data was "enveloped" or bracketed by line control characters before transmission.

In BDLC, the data is bracketed with a lesser number of characters because bits, rather than whole characters, are used to represent the control codes. This reduction in non-information control data transmitted with user data is significant despite the addition of transmission error detecting control bits.

BDLC is based on High-Level Data Line Control Procedures (HDLC), the protocol standard developed by the International Standards Organization (ISO) and the European Computer Manufacturers Association (ECMA), and Advanced Data Communications Control Procedures (ADCCP), the protocol standard developed by the American National Standards Institute (ANSI). It is Burroughs' intention to maintain BDLC compatible with the bit-oriented protocols of selected competitors (such as IBM's SDLC).

In networks using BDLC, one device, a processor, operates as a Primary Station. All other devices, whether processors or terminals, function as Secondary Stations. (This arrangement is referred to as the Unbalanced Configuration.) Any line can be full- or half-duplex, switched or non-switched, analog or digital. In the point-to-point arrangement, the Primary Station is at one end of a communications line, and a Secondary Station is at the other end. In the multipoint arrangement, the Primary Station is at one end of the line and two or more Secondary Stations are connected to the line. A device can function as a Secondary Station on one line and as a Primary Station on another line. Such an arrangement can occur when a given Secondary Station has one line to a Primary Station and another line to devices that are not connected to that Primary Station.

The Primary Station controls the establishment of links for data transfer, controls the actual data transfer, and controls error recovery operations. The Secondary Stations can operate in the Normal Response Mode (NRM) or in the Asynchronous Response Mode (ARM). In the Normal Response Mode, the Secondary Station cannot initiate transmissions. Specific permission to transmit and/or respond to a command must be given to the Secondary Station by the Primary Station. Once given permission, a Secondary Station can transmit up to seven frames (messages) without requiring additional permission. In an optional version of BDLC, up to 127 frames can be transmitted without requiring additional permission.

In the Asynchronous Response Mode, the Secondary Stations can initiate transmission without permission from the Primary Station. In this mode, Secondary Stations on a multi-point line must contend with each other to obtain a link for transmission. In the NRM, the Primary Station polls each station and thereby assures each station equal opportunity for link establishment.

ON-LINE DATA ENTRY SYSTEM (ODESY): A sophisticated data entry and validation system using multiple on-line visual display units, ODESY provides a generalized and generative "front end" for the existing B 1900 application packages. It enables future packages to be designed to use its extensive editing facilities and thus reduce development effort by virtually eliminating conventional input control programs. Because of these editing facilities, ODESY is able to produce batches of essentially error-free data for input to application programs.

UTILITY ROUTINES: A disk sort program sorts records into ascending or descending sequence in accordance with specification cards that describe the input and output files, the key field or fields, and various options. The sort function can also be invoked from within a COBOL or RPG source program. The user can specify either of two sorting techniques; vector replacement (the one most commonly used) or in-place (which minimizes the amount of disk storage space required).

The systems SORT provides for both sorting or merging utilizing tape or disk. The program requires 3K bytes of memory for the sort generator, 8K bytes for the tape, disk, or inplace sort, and 8K bytes for the merge. User options in using the sort utility include sorting technique, memory allocation, and percentage of byte in order.

Other B 1900 Series utility routines include System Loading Procedures, Disk File Copy, Memory Dump, Memory Dump Analyzer, File/Loader, File/Puncher, and DM-PALL. The last-named routine is a flexible listing and reproducing program for printing the contents of files and transcribing data from one medium to another.

APPLICATION PROGRAMS: Burroughs offers a number of application programs for the B 1900 Series, including the following:

Burroughs Inventory Planning Analysis and Simulation System (BIPASS)
Business Planning System (BPS)
Distribution Information System (DIS)
General Business Management System
Hospital Management System
Infostats (forecasting and statistics)
Item Processing System
Manufacturing Management System
Production Control System III
SCHOLASTIC Education Programs
Screen Oriented Program Editor (SCOPE)
Tax Assessment and Collection System (TACS)
Text Management and Communications System
Thrift On-Line System
Total Banking System
Utility Billing System

PRICING

CONTRACT TERMS: The B 1900 systems are available for purchase or for lease under a 1-year, 3-year, or 5-year lease agreement. The standard lease agreement entitles the customer to unlimited use of the equipment and includes full-time equipment maintenance coverage (24 hours/day, 7 days/week). The standard maintenance agreement for purchased systems covers maintenance of the equipment for eight consecutive hours per day on Monday through Friday only; extended maintenance coverage is available at higher rates. The central system (CPU, memory, channels, etc.) is warranted for one year; the peripheral equipment, for 90 days.

All maintenance charges listed in this report are for "metro 1" (city) districts. Super city rates (e.g., New York or Chicago) ▶

Burroughs B 1900 Series

are four percent higher. Rates outside a metro area (10 miles from city) are 20 percent higher.

All lease plans may include purchase options that allow 50 percent of the rental paid during the first 36 months to be applied toward the purchase price at any time during the lease period.

SOFTWARE: All software is unbundled. Program Products for the B 1900 systems are offered under either an Unlimited-Time License Plan, for a one-time charge followed by an annual maintenance fee, or a Limited-Time License Plan, with monthly payments.

TECHNICAL SUPPORT: Users can purchase Burroughs technical support in several ways: under a Systems Analyst Assistance Agreement, on a per-diem basis, or on an hourly charge basis.

EDUCATION: Users can obtain the necessary training by paying for individual courses. The currently available courses range from 1 to 10 days in length, cost $125 to $1,250 for each attendee, and fall into the following broad categories: Systems Support, Operations, Languages, Environmental (data base and data communications), and Applications.

EQUIPMENT: The components and prices of the packaged B 1900 Series Systems are listed in the "Equipment Prices" section, which follows. Downgrading or substitution of items with lower list prices is not allowed. Substitution of similar items with higher prices may be made by adding the current price differentials to the basic package price.

EQUIPMENT PRICES

		Purchase	Monthly Maint.*	1-Year Lease**	5-Year Lease**
PACKAGED SYSTEMS					
B 1905	Basic System; includes 4-MHz CPU with 128K bytes of main memory, built-in Universal Disk Controller, B 9348-52 Display Console, B 1348-52 Console Control, B 1486-1 Disk Control, B 9484-2 Dual Disk Pack Drive (65 megabytes), B 1249 Printer Control, B 9246-3 320-lpm Line Printer, and B 1351-2 Universal Single-Line Control	$59,500	$310.00	$2,100	$1,650
B 1910	Basic system; includes 6-MHz CPU with 512K bytes of main memory, built-in Universal Disk Controller, B 9348-52 Display Console, B 1348-52 Console Control, B 1486-1 Disk Control, B 9484-2 Disk Pack Drive (65 megabytes), B 1249 Printer Control, B 9246-6 650-lpm Printer, two B 1306 I/O Expansion Features, B 1059 Expansion Cabinet, B 1051 6-MHz Clock, and B 1351-2 Universal Single-Line Control	87,000	500.00	3,000	2,500
B 1955	Basic system; includes 6-MHz CPU with 512K bytes of main memory, built-in Universal Disk Controller, B 9348-52 Display Console, B 1348-52 Console Control, B 1486-1 Disk Control, B 9484-2 Dual Disk Pack Drive (65 megabytes), B 1249 Printer Control, B 9246-6 650-lpm Line Printer, and B 1352 8-Line Multi-Line Control	104,000	540.00	3,531	3,025
B 1955-1	Same as B 1955 basic system except that the B 9484-2 Dual Disk Pack Drive, B 9246-6 Line Printer, and B 1249 Printer Control are omitted	87,450	335.00	2,770	2,373
B 1985	Basic system; includes two 6-MHz CPUs, 512K bytes of main memory, built-in Universal Disk Controller, B 9348-52 Display Console, B 1348-52 Console Control, B 1486-1 Disk Control, B 9484-51 Dual Disk Pack Drive (130 megabytes), B 1249 Printer Control, B 9246-6 650-lpm Line Printer, B 1352 8-Line Multi-Line Control, and B 1058 Expansion Cabinet	148,960	648.00	4,824	4,133
B 1985-1	Same as B 1985 basic system except that the B 9484-51 Dual Disk Pack Drive, B 9246-6 Line Printer, and B 1249 Printer Control are omitted	125,840	430.00	3,969	3,400
SYSTEM OPTIONS					
B 1051	6-MHz Clock Kit for B 1905	5,000	11.00	160	130
B 1052	1.0MB Memory Base for B 1905 or B 1910	1,000	11.00	30	25
B 1059	Expansion Cabinet for B 1905	10,000	38.50	315	265
B 1057	Power Booster for B 1955	5,925	20.60	185	155
B 1058	Expansion Cabinet for B 1955	16,223	82.30	524	453
B 1985-Kit	Dual Processor Kit; includes one B 1985 processor	38,390	105.00	1,199	1,027
ADD-ON MAIN MEMORY					
B 1005-131	128K-byte increment for B 1905 or B 1910	3,450	18.20	110	95
B 1155-262	256K-byte increment for all B 1900 models	5,750	27.80	185	155

* For 5-day, 8-hour service.
** Includes 7-day, 24-hour maintenance coverage.

Burroughs B 1900 Series

EQUIPMENT PRICES

		Purchase	Monthly Maint.*	1-Year Lease**	5-Year Lease**
▶ MASS STORAGE					
B 1486-1	Disk Pack Drive Control	6,365	71.10	207	170
B 9484-51	Dual Disk Pack Drive; 130.4 megabytes	20,000	96.00	739	601
B 9494-41	Dual Fixed-Disk Drive; 402 megabytes	24,000	78.10	733	555
B 9494-42	Dual Fixed-Disk Data Bank; includes two B 9494-41 drives; 804 megabytes	40,000	157.00	1,374	1,023
B 9494-43	Dual Fixed-Disk Data Bank; includes three B 9494-41 drives; 1206 megabytes	57,000	235.00	1,934	1,599
B 9494-44	Dual Fixed-Disk Data Bank; includes four B 9494-41 drives; 1608 megabytes	75,000	315.00	2,394	1,952
B 9489-17	Industry-Compatible Mini-Disk drive; 243K bytes	2,000	28.25	100	80
B 9489-16	Industry-Compatible Mini-Disk Drive; 486K bytes	6,530	29.50	221	180
B 1489	Mini-Disk Control for the B 9489-17 and B 9489-16	4,244	16.00	128	106
MAGNETIC TAPE UNITS					
B 9490-25	Cassette Tape Station; 10 ips	1,689	11.70	66	53
B 1490-25	Control for B 9490-25	2,334	60.80	106	79
B 9491-4	Magnetic Tape Unit; 9-track, 40KBS, PE	12,600	76.90	465	375
B 9491-5	Add-On Magnetic Tape Unit	10,000	71.68	360	295
B 1491-4	Control for B 9194-4 or -5	1,800	5.50	60	50
B 9495-35M	Magnetic Tape Unit with Formatter/Controller; 470/120KBS, GCR/PE (for B 1955 or B 1985 only)	47,864	187.00	1,786	1,425
B 9495-32	Add-On Magnetic Tape Unit for B 9495-35M	20,700	133.00	750	591
B 9495-8	Magnetic Tape Unit; 9-track, 40/80KBS, NRZI/PE	10,500	118.00	386	314
B 9495-82	Magnetic Tape Unit; 9-track, 60/120KBS, NRZI/PE	16,720	114.00	581	451
B 9495-45	Magnetic Tape Subsystem; 1x4 B 9499-33 Master Electronics Exchange and B 9495-8 drive	15,500	123.00	495	408
B 9495-46	Magnetic Tape Subsystem; same as B 9495-45, but with two drives	25,500	215.00	863	704
B 9499-33	1x4 Master Electronics Exchange; PE; for B 9495-8	10,400	33.60	340	260
B 9499-34	1x8 Master Electronics Exchange; PE; for B 9495-8	11,200	33.60	365	285
B 9499-35	2x8 Master Electronics Exchange; PE; for B 9495-8	13,120	73.60	430	330
B 9499-50	1x4 Master Electronics Exchange; PE; for B 9495-82	17,325	143.00	631	481
B 9499-51	1x8 Master Electronics Exchange; PE; for B 9495-82	19,110	143.00	666	509
B 9499-52	2x8 Master Electronics Exchange; PE; for B 9495-82	46,478	299.00	1,808	1,048
B 9999-4	PE/NRZI Switchable Feature; allows B 9495-8 or -82 to operate in NRZI mode	750	5.50	25	20
B 9999-5	NRZI Option; for use with B 9499-50, -51, or -52	2,600	32.60	80	65
B 1495-32	PE Control; for use with B 9495 tape units	3,600	22.10	95	86
B 1491-30	NRZI Control; for use with B 9495 tape units	6,000	65.00	175	159
B 1495-35	PE/NRZI Control; for use with B 9495 tape units	10,200	87.10	270	245
LINE PRINTERS					
B 9246-3	Band Printer; 320 lpm, 132 positions	11,500	138.00	399	326
B 9246-6	Band Printer; 650 lpm, 132 positions	14,000	165.00	499	383
B 1249	Printer Control for B 9246 printers	1,379	14.30	54	54
B 9247-14	Train Printer; 1100 lpm, 132 positions	33,000	413.00	1,334	1,062
B 9247-15	Train Printer; 1500 lpm, 132 positions	44,000	473.00	1,810	1,455
B 1247-4	Printer Control for B 9247-14	5,729	40.70	160	128
B 1247-5	Printer Control for B 9247-15	7,957	38.20	260	217
B 9942-10	Additional Train Module for B 9247 printers	3,245	36.40	124	101
B 9246-20	Train Printer; 2000 lpm, 132 positions	69,293	545.00	2,322	1,824
B 1240	Printer Control for B 9246-20	9,000	40.00	300	249
PUNCHED CARD EQUIPMENT					
B 9115	Card Reader; 300 cpm, 80-column	8,198	56.00	280	211
B 9116	Card Reader; 600 cpm, 80-column	10,830	78.50	374	282
B 9117	Card Reader; 800 cpm, 80-column	12,335	96.30	423	326
B 1115	Card Reader Control for B 9115/16/17	2,292	16.20	59	47
B 9915	51-column Read Feature for B 9115/16/17	803	0.00	22	18

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Burroughs B 1900 Series

EQUIPMENT PRICES

		Purchase	Monthly Maint.*	1-Year Lease**	5-Year Lease**
▶ PUNCHED CARD EQUIPMENT (Continued)					
B 9419-2	Card Reader Punch/Data Recorder; 96 columns, 300 cpm read, 60 cpm punch and print	9,013	133.17	340	278
B 9419-6	Multi-Purpose Card Unit; 96 columns, 300 cpm read, 60 cpm punch and print	9,528	158.83	407	335
B 1419	Card Reader Punch/Data Recorder Control for B 9419-2 and -6	2,472	22.60	96	79
READER-SORTERS					
B 9135-2	MICR Reader-Sorter; 900 dpm, 8 pockets (for B 1955 or B 1985 only)	51,157	810.00	1,480	1,258
B 9135-3	MICR Reader-Sorter; 900 dpm, 12 pockets (for B 1955 or B 1985 only)	62,859	875.00	1,925	1,634
B 9137-4	MICR Reader-Sorter; 1000 dpm, 4 pockets, double read capability (for B 1955 or B 1985 only)	50,796	546.00	1,512	1,281
B 1130	Reader-Sorter Control for B 9135-2 or -3 and B 9137-4	6,874	60.80	260	217
Features for B 9137-4:					
B 9937-11S	Four-Pocket Module; pockets 5-16	11,990	49.60	420	375
B 9937-50	Impact Endorser	8,362	102.00	245	199
B 9937-70	Basic Off-Line Sort; 2 fields only	1,236	9.70	34	30
B 9937-71	8-Pocket Basic Off-Line Sort; 2 fields only	1,483	9.70	41	36
B 9937-72	Expanded Off-Line Sort; up to 8 fields	247	2.20	7	7
B 9937-73	Extended Sort Control	2,472	28.30	67	60
B 9937-74	Valid Character Check	247	2.00	7	7
B 9937-76	Zero Kill; maximum of 3	494	2.00	14	13
B 9937-77	No Field-No Digit; maximum of 3	494	2.00	14	12
B 9937-78	Digit Override; maximum of 3	494	2.00	14	12
B 9937-79	Digit Edit; maximum of 3	494	2.00	14	12
B 9937-80	Field Override; maximum of 3	494	2.00	14	12
B 9937-81	Field Edit; maximum of 3	494	2.00	14	12
B 9937-82	Stacker Overflow	494	2.00	14	12
B 9937-83	Batch Ticket Detector	494	2.00	14	12
B 9937-84	Resettable Item Counter	247	2.00	7	7
B 9937-85	Non-Resettable Item Counter	247	2.00	7	7
B 9937-86	Running Time Meter	247	2.00	7	7
B 9937-87	Mobile Carrier	155	0.00	0	0
B 9937-88	One-Tray Document Rack	62	0.00	0	0
B 9190-2	MICR/OCR Reader-Sorter; 1625 dpm, 4 pockets; requires one or two OCR or one MICR Character Recognition Module and 3A or 4A Control Interface	35,500	619.00	1,920	1,630
Features for B 9190-2:					
B 9990-21	MICR E13B Module; single track	14,695	51.60	480	410
B 9990-22	MICR E13B Module; double read	38,550	103.00	1,280	1,090
B 9990-32	OCR 7B Module (Credit Card)	50,300	138.00	1,640	1,390
B 9990-33	OCRA/1428 Module	50,300	138.00	1,640	1,390
B 9990-34	OCRB/1403/407 Module	50,300	138.00	1,640	1,390
B 9990-90	Control Interface; 4A Host Control	1,650	3.50	50	40
B 9990-91	Control Interface; 3A Host Control	1,650	3.50	50	40
B 9990-10	4-Pocket Module; pockets 17-20	22,400	83.10	710	605
B 9990-11	4-Pocket Module; pockets 5-16	12,450	52.00	395	335
B 9990-12	4-Pocket Module; pockets 21-32	12,450	52.00	395	335
B 9990-50	Impact Endorser with Digital Advance	14,980	68.80	515	440
B 9990-53	Non-Impact Endorser, Ink Jet	32,900	186.00	1,055	895
B 9990-55	Impact Endorser without Digital Advance	14,400	65.40	495	420
B 9990-60	Microfilm Camera	81,400	516.00	3,060	2,600
B 9990-70	Off-Line Sort Package	4,950	34.40	135	115
TERMINALS					
MT 983	CRT Workstation/Keyboard; includes control for asynchronous and synchronous data set and direct connect communications	1,995	27.00	124	117
AP 300	Journal Matrix Printer, Stand-alone; 90 cps	2,240	15.00	92	87
TP 313	Display Printer; 90 cps	2,240	15.00	92	87
MT 687	Programmable Workstation; includes 64KB RAM memory	3,990	30.00	195	185
AP 1301	Letter Quality Printer, Receive Only; 35 cps	4,350	29.00	180	170
AP 1301-1	Letter Quality Printer, KSR; 35 cps	4,700	30.00	195	185
COMMUNICATIONS CONTROL					
B 1351	Single-Line Control; requires B 1650 Series Adapter; one maximum	3,090	16.20	103	79
B 1351-1	Dual-Line Control; requires B 1650 Series Adapter; two maximum	5,150	29.50	160	138
B 1351-2	Universal Single-Line Control	3,000	27.40	110	98
B 1352	Multi-Line Controller; 8 lines; 2 maximum	13,000	57.00	264	227
B 1353	Multi-Line Controller Extension; 8 lines; 1 maximum	9,270	42.80	252	217
B 1354	4-Line Multi-Line Controller	7,000	41.00	225	195

* For 5-day, 8-hour service.
** Includes 7-day, 24-hour maintenance coverage.

Burroughs B 1900 Series

EQUIPMENT PRICES

		Purchase	Monthly Maint.*	1-Year Lease**	5-Year Lease**
► Line Adapters (not for B 1351-2):					
B 1650-1	Asynchronous Data Set Connect; up to 1200 bps	1,545	16.20	67	52
B 1650-2	Asynchronous Data Set Connect; up to 1800 bps	1,854	20.50	82	67
B 1652-1	Asynchronous Data Set Connect for teletypewriters	1,545	16.20	67	52
B 1650-5	Asynchronous Direct Connect; up to 2400 bps	1,545	16.20	67	52
B 1650-6	Asynchronous Direct Connect; up to 4800 bps	1,854	20.50	82	67
B 1650-7	Asynchronous Direct Connect; up to 9600 bps	2,163	24.30	103	82
B 1652-5	Asynchronous Direct Connect for teletypewriters	1,545	16.20	67	52
B 1667-2	Burroughs Direct Interface (BDI) Adapter; uo to 19,200 bps	2,472	16.40	77	52
B 1651-1	Burroughs Synchronous Data Set Connect; up to 2400 bps	1,545	16.20	67	52
B 1651-2	Burroughs Synchronous Data Set Connect; up to 4800 bps	1,854	20.50	82	67
B 1651-3	Burroughs Synchronous Data Set Connect; up to 9600 bps	2,163	24.30	103	82
B 1653-1	Binary Synchronous Data Set Connect; up to 2400 bps	4,532	64.90	175	149
B 1653-2	Binary Synchronous Data Set Connect; up to 4800 bps	5,099	69.00	191	160
B 1653-3	Binary Synchronous Data Set Connect; up to 9600 bps	5,665	73.00	201	170
B 1352-2	Wideband Adapter; for Western Electric Type 303 or equivalent data set; 19,200 bps or 50,000 bps	11,845	71.10	324	268
B 1667-5	Automatic Calling Unit Adapter; connects with up to 4 Bell 801 ACUs or 3 Bell 801s and 1 Burroughs built-in data set ACU	1,545	16.20	67	52

COMMUNICATIONS CONTROLS FOR CMS SYSTEMS

		Purchase	Monthly Maint.*	1-Year Lease**	5-Year Lease**
B 1360	DCP-1 Base Module	15,000	54.50	483	416
B 1365	DCP-1 Extension	4,000	39.90	130	112
B 1660	DC1 Adapter	2,800	23.00	133	108
B 1361	CMS DCP-3 Base Module	3,500	16.20	103	79
B 1366	CMS DCP-3 Extension	4,000	53.90	125	105
B 1661	TDI Dual Adapter	2,800	30.80	90	75
B 1662	Dual Half-Duplex Data Set Adapter	2,800	30.80	90	75
B 1663	Single Full-Duplex Data Set Adapter	2,800	30.80	90	75
B 1664	Single Full-Duplex Data Set Adapter	2,800	30.80	90	75

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SOFTWARE PRICES

	UNLIMITED TIME PLAN			LIMITED TIME PLAN
	Initial Charge (Single Payment)	Initial Charge (12 Monthly Payments)	Annual License Fee	Monthly License Fee
MCP-TCS III; for the B 1905 or B 1910; includes MCP II, NDL, ODESY, either Text Editor or CANDE, choice of one compiler, Sort, and Utilities	$ 8,250	—	$1,568	$275
MCP-TCS IV; for the B 1955 or B 1985; includes MCP II, NDL, ODESY, GEMCOS and UPL, either Text Editor or CANDE, choice of one compiler, Sort, Utilities, and either DMS-II and DMS-II Inquiry or Reporter II Basic and On-Line Reporter	18,000	—	2,880	600
BASIC	3,300	—	627	110
Interactive BASIC	2,475	—	473	83
COBOL '68	3,300	—	627	110
COBOL '74	2,475	—	473	83
FORTRAN '77	3,960	—	759	132
RPG	3,300	—	627	110
MIL Compiler (Micro Implementation Language)**	3,399	311	616	—
SDL Compiler (Systems Definition Language)**	3,399	311	616	—
User Programming Language (UPL)	—	—	—	226
Network Definition Language (NDL)	—	—	—	52
Burroughs Network Services	6,600	605	1,254	220
GEMCOS	4,590	421	875	153
GEMCOS and UPL	6,120	561	1,165	204
GEMCOS (Advanced)	6,120	561	1,165	204
GEMCOS (Advanced) and UPL	7,650	702	1,455	255
GEMCOS Total	7,650	702	1,455	255
GEMCOS Total with UPL	9,180	842	1,745	306
GEMCOS Format Generator	3,500	335	580	125

**Available only to universities and colleges under a special Program Products License.

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Burroughs B 1900 Series

SOFTWARE PRICES

	UNLIMITED TIME PLAN			LIMITED TIME PLAN
	Initial Charge (Single Payment)	Initial Charge (12 Monthly Payments)	Annual License Fee	Monthly License Fee
Audit Reporter	15,080	1,382	2,865	503
Advanced Reporter II	11,030	1,011	2,095	368
Reporter II (Basic)	7,000	642	1,330	234
On-Line Reporter	1,030	95	195	34
Supervisory Message Control System (SMCS)	1,545	142	295	52
System Communication (SYCOM)	3,030	283	575	103
Test Data Generator	7,000	642	1,330	234
ODESY	4,675	430	890	157
Data Management System II	13,925	1,277	2,645	465
DMS II Inquiry	1,500	138	285	50
Text Editor	1,815	167	345	61
CANDE	3,525	323	670	117
Power RJE	1,300	119	250	43
HASP RJE	1,300	119	250	43
B 7000/B 6000 Remote Job Entry Terminal Program	1,235	113	155	41
B 4000/B 3000/B 2000 Remote Job Entry Terminal Program	1,235	113	155	41 ■