UNIVAC 90/30

New Product Announcement

In March 1975 Sperry Univac announced two new low-cost magnetic tape units and an optional Integrated Multiplexer Channel, both aimed at lowering the cost of UNIVAC 90/30 computer systems.

The Integrated Multiplexer Channel is offered as an alternative to the previous optional Multiplexer Channel in 90/30 configurations and has the same specifications as the external Multiplexer Channel. However, it achieves economies in price and floor-space requirements by being housed inside the central processing unit instead of in the free-standing cabinet required by the standard Multiplexer Channel. Configurations including both the optional Selector Channel and Multiplexer Channel, which are housed in the same cabinet, will continue to use the original external Multiplexer Channel.

Monthly rental for the Integrated Multiplexer Channel on a one-year lease is $300 (including $40 for monthly maintenance charges), and the purchase price is $12,480. The new channel is scheduled for first customer delivery in June 1975.

The new Uniservo 10 and Uniservo 14 Magnetic Tape Units are manufactured by Wangco and are lower-cost alternatives to the Uniservo 12, 16, and 20 Magnetic Tape Units originally announced for the UNIVAC 90/30.

The Uniservo 10 and Uniservo 14 Magnetic Tape Units read and record data on 9-track tape in the phase-encoded format at a recording density of 1600 bits per inch. Tape speed is 25 inches per second for the low-cost Uniservo 10 Magnetic Tape Units, and the data transfer rate is 40K bytes per second. The Uniservo 14 has a tape speed of 60 inches per second and a data transfer rate of 96K bytes per second when reading or recording on 9-track tape in the phase-encoded mode.

Both magnetic tape subsystems can include an optional dual-density feature that permits operation on 9-track tape at 800 bits per inch in the NRZI mode, with transfer rates of 20K bytes per second for the Uniservo 10 and 48K bytes per second for the Uniservo 14. An optional 7-track NRZI feature for both models permits reading and recording at 200/556/800 bit-per-inch densities, with transfer rates of 5/13.9/20K bytes per second for the Uniservo 10 and 12/33.4/48K bytes per second for the Uniservo 14.

The Uniservo 10 and 14 Magnetic Tape Subsystems use the 5045 Control Unit, which includes the controller and housing for two magnetic tape units. A maximum of eight tape units can be attached to each 5045 Control Unit. Uniservo 10 and Uniservo 14 tape units cannot be intermixed on the same controller. Uniservo 10 tape drives can be connected to the 90/30 Multiplexer Channel, while the faster Uniservo 14 tape drives require a Selector Channel. Features available with the 5045 include automatic loading of tapes housed in dustproof wrap-around cartridges or standard tape reels and a dual channel option that permits nonsimultaneous operation on two channels on a single central processor or shared operation between two central processors.

Customer deliveries of the Uniservo 10 and Uniservo 14 Magnetic Tape Units are scheduled to begin in September 1975.

		Purchase	Monthly Maint.	Rental*
UNISERVO 10 MAGNETIC TAPE UNITS				
5045-00	Control; consists of control and cabinet space for 2 Uniservo 10 Magnetic Tape Units	$12,192	$ 64	$254
5045-02	Auxiliary Cabinet; for 1 or 2 additional Uniservo 10 Magnetic Tape Units	1,296	5	27
F0823-99	7-Track NRZI; for 5045-00 Control	5,760	17	120
F0825-00	Dual Channel; permits nonsimultaneous operation on 2 channels on 1 processor or 1 channel on each of 2 processors	4,416	17	92
F0826-00	9-Track NRZI; permits 9-track NRZI in addition to 9-track phase-encoded operation	5,760	17	120
F1028-96	9-Track Addition; adds 9-track NRZI to F0823-99 or F1753-99	4,176	11	87
F1028-95	7-Track Addition; adds 7-track NRZI plus data conversion to F0826-00	4,176	11	87

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		Purchase	Monthly Maint.	Rental*
UNISERVO 10 MAGNETIC TAPE UNITS (Continued)				
F1028-92	7-Track NRZI Native Mode; adds 7-track NRZI native mode conversion to F0826-00	$ 3,654	$ 10	$ 82
F1753-99	7-Track NRZI Native Mode; permits 7-track tapes to be added to 5045-00 Control	5,760	17	120
F2143-00	Converts a 5045-00 Control to a 5045-99 Control for attaching Uniservo 14 Magnetic Tape Units	8,976	46	187
0870-00	Uniservo 10 9-Track PE Magnetic Tape Unit	11,376	61	237
0870-01	Uniservo 10 9-Track PE and NRZI Magnetic Tape Unit	12,576	67	262
0870-02	Uniservo 10 7-Track NRZI Magnetic Tape Unit	11,376	61	237
F2193-00	Dual Density; adds 9-track NRZI to Uniservo 10 PE Magnetic Tape Unit	1,200	6	25
F2193-02	Converts Uniservo 10 7-track NRZI Magnetic Tape Unit to 9-track PE Magnetic Tape Unit	—	—	—**
UNISERVO 14 MAGNETIC TAPE UNITS				
5045-99	Uniservo 14 Control; includes control and cabinet space for 2 Uniservo 14 Magnetic Tape Units	21,168	110	441
5045-02	Auxiliary Cabinet; for 1 or 2 additional Uniservo 14 Magnetic Tape Units	1,296	5	27
F0823-99	7-Track NRZI; for 5045-99 Control	5,760	17	120
F0825-00	Dual Channel; permits nonsimultaneous operation on 2 channels of 1 processor or 1 channel on each of 2 processors	4,416	17	92
F0826-00	9-Track NRZI; permits 9-track NRZI mode in addition to 9-track phase-encoded operation	5,760	17	120
F1028-96	Adds 9-track NRZI to F0823-99 or F1753-99	4,176	11	87
F1028-95	Adds 7-track NRZI plus data conversion to F0826-00	4,176	11	87
F1028-92	Adds 7-track NRZI native mode plus data conversion to F0826-00	3,654	10	82
F1753-99	Provides capability to add 7-track tape units to 5045-99 control	5,760	17	120
0870-03	Uniservo 14 9-track PE Magnetic Tape Unit	16,080	86	335
0870-05	Uniservo 14 7-track NRZI Magnetic Tape Unit	14,880	80	310
F2194-00	Dual Density; adds 9-track NRZI to Uniservo 14 PE Magnetic Tape Unit; requires F0826-00 in control	1,200	6	25
F2194-02	Converts 0870-05 7-track NRZI Magnetic Tape Unit to 9-track PE	—	—	—**
F2194-03	Converts 0870-05 7-track NRZI Magnetic Tape Unit into 9-track PE and NRZI	1,200	6	25

* Rental prices do not include maintenance.

**$106 field installation charge.