

ND

PRISLISTA

FEB-81

ND NORSK DATA AB





ND REFERENCE PRICE LIST  
in SWEDISH KRONOR

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1. EXPLANATION TO THE PRICE LIST

Items defined or changed later than 800815 are marked with \*

Upper  
30  
Meyer  
526  
579  
90,75  
driven  
518



## 2. SYSTEMS

### 2.1. PRICING AND CONFIGURATIONS

#### 2.1.1. Pricing of systems

The purchase price for systems includes the license to use for unlimited time for the software included in the system.

The monthly maintenance cost for systems includes the maintenance and enhancement cost for the software included in the system

#### 2.1.2. Configuration rules

It's not permitted to subtract or substitute items in any systems.

Mixing of different disk drives on one system:

Mixing of different disk drives on one system is permitted according to the below listed rules. The system prices includes SINTRAN for the actual disk configuration. Adding a new type of disk drive to a system may include upgrading of SINTRAN. The prices for upgrading SINTRAN are:

Upgrading from SINTRAN supporting 30 MBytes and 60 MBytes disk drives (ND 585, ND 586) to SINTRAN supporting 30, 60 and 90 MBytes disk drives (ND 585, ND 586, ND 587)

SEK 40000

Upgrading from SINTRAN supporting 30, 60 and 90 MBytes disk drives (ND 585, ND 586, ND 587) to SINTRAN supporting 30, 60, 90, 75 and 150 MBytes disk drives (ND 585, ND 586, ND 587, ND 514, ND 572 and ND 579)

SEK 20000

Upgrading from SINTRAN supporting 30, 60, 90, 75, and 150 MBytes disk drives (ND 585, ND 586, ND 587, ND 514, ND 572, ND 579) to SINTRAN supporting 30, 60, 90, 75, 150 and 288 MBytes disk drives (ND 585, ND 586, ND 587, ND 514, ND 572, ND 579 and ND 576)

SEK 10000

Because of back up possibilities the following rules apply for combinations of different disk drives on one system:

- If the system includes a magtape any combination of disk drives that is technical possible is permitted.

- If the system does not include a magtape then there must be at least two of the drives with the largest directory.

- If a 75 Mbytes disk drive is combined with one 288 MBytes disk drive, then the 288 MBytes disk drive will only be utilized as 3 x 75 MBytes.

OBS! The cartridge disk drives ND 585, ND 586 and ND 587 have 15 MBytes directories and the combination of f.ex. a 90 MBytes cartridge disk drive (ND 587) and a 75 MBytes disk drive is therefore not permitted.

## 2.2. NORD-100 SYSTEMS

* 3100	NORD-100 BASIC system Including SINTRAN III/rt operating system, FORTRAN runtime system	54000	540
* 3110	NORD-100 terminal system NORD-100 standard CPU, 64 kb, floppy disk drive 5 terminal interfaces	85500	855
* 3200	NORD-100 BASIC memory management system Including SINTRAN III/vs operating system, NORD spooling system, FORTRAN, utility programs, subsystem package	90000	900
* 3221	NORD-100 cartridge disk system NORD-100 standard CPU, 128 kb, printer terminal, floppy disk drive cartridge disk drive 10 mb, 5 terminal interfaces	243000	2430
* 3302	NORD-100 expansion system Expands number of available positions in ND 334X (X=0,1,2,3,4,5) with 10 positions. Includes cabinet ND 178.	54000	540



4	ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
*	3340X	NORD-100 30 MBytes disk system NORD-100 standard CPU, 256 KBytes memory, 30 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack	369000 356	3690	-
*	3341X	NORD-100 60 MBytes disk system NORD-100 standard CPU, 256 KBytes memory, 60 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack	396000 410	3960	-
*	3342X	NORD-100 90 MBytes disk system NORD-100 standard CPU, 256 KBytes memory, 90 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack	450000 455	4500	-
*	3343X	NORD-100 75 MBytes disk system NORD-100 standard CPU, 256 KBytes memory, 75 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack NB! Magtape or 75, 150 or 288 MBytes disk drive must be added	459000	4590	-
*	3344X	NORD-100 150 MBytes disk drive NORD-100 standard CPU, 256 KBytes memory, 150 MBytes fixed disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack. NB! Magtape must be added	495000	4950	-
*	3345X	NORD-100 288 MBytes disk system NORD-100 standard CPU, 256 KBytes memory, 288 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 12 positions rack. NB! Magtape or 288 MBytes disk drive must be added	549000	5490	-

### 2.3. ND-100/CE SYSTEMS

*	3304	ND-100/CE expansion system Expands number of available positions in ND 335X (X=0,1,2,3,4,5) with 18 positions. Will be installed in the cabinet included in ND 335X.	54000	540	-
*	3350X	ND-100/CE 30 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 30 MBytes cartridge disk drive, floppy disk drive, printer terminal, 20 positions rack	459000	4590	-



ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	- 5
* 3351X	ND-100/CE 60 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 60 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 20 positions rack	486000	4860	
* 3352X	ND-100/CE 90 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 90 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 20 positions rack	540000	5400	
* 3353X	ND-100/CE 75 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 75 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 20 positions rack. NB! Magtape or 75,150 or 288 MBytes disk drive must be added	549000	5490	
* 3354X	ND-100/CE 150 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 150 Mbytes fixed disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 20 positions rack. NB! Magtape must be added	585000	5850	
* 3355X	ND-100/CE 288 MBytes disk system NORD-100 fast CPU, extended microprogram, 256 KBytes memory, 288 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces, 20 positions rack. NB! Magtape or 288 MBytes disk drive must be added	639000	6390	

#### 2.4. NORD-500 SYSTEMS

* 3560X	NORD-500 30 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast cpu, 512 KBytes memory, 30 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces	972000	9720	
* 3561X	NORD-500 60 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast CPU, 512 KBytes memory, 30 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces	999000	9990	



ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
* 3562X	NORD-500 90 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast CPU, 512 KBytes memory, 90 MBytes cartridge disk drive, floppy disk drive, printer terminal, 5 terminal interfaces	1053000	10500	-
* 3563X	NORD-500 75 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast CPU, 512 KBytes memory, 75 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces. NB! Magtape or 75,150 or 288 MBytes disk drive must be added	1062000	10600	-
* 3564X	NORD-500 150 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast CPU, 512 KBytes memory, 150 MBytes fixed disk drive, floppy disk drive, printer terminal, 5 terminal interfaces. NB! Magtape must be added	1098000	11000	-
* 3565X	NORD-500 288 MBytes disk system NORD-500 CPU with 32 KBytes cache, NORD-100 fast CPU, 512 KBytes memory, 288 MBytes disk drive, floppy disk drive, printer terminal, 5 terminal interfaces. NB! Magtape or 288 MBytes disk drive must be added	1152000	11500	-

#### 2.5. NORD-10/S SYSTEMS

* 1100/S	NORD-10/s BASIC system	74700	747	
* 1111/S	NORD-10/s terminal system 32kw, floppy disk drive, 4 terminal interfaces	90000	900	
* 1200/S	NORD-10/s BASIC memory management.	108000	1080	
* 1228/S	NORD-10/s cartridge disk system 64 kw, cache memory, printer terminal, floppy disk drive, cartridge disk drive 10mb, 1 terminal interface	261000	2610	
* 1300/S	NORD-10/s BASIC multiport memory system	198000	1980	
* 1328/S	NORD-10/s 37 Mb disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 37 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	558000	5580	

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	- 7
* 1329/S	NORD-10/s 2 x 37 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 2 x 37 mb, 4 terminal interfaces	522000	5220	
* 1338/S	NORD-10/s 75 mb disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 75 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	585000	5850	
* 1339/S	NORD-10/s 2 x 75 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 2 x 75 mb, 4 terminal interfaces	576000	5760	
* 1366/S	NORD-10/s 288 mb disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 288 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	675000	6750	
* 1367/S	NORD-10/s 2 x 288 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive disk drive 2 x 288 mb, 4 terminal interfaces	765000	7650	

## 2.6. NORD-50 SYSTEMS

* 1400/S	NORD-10/s/NORD-50 BASIC system.	540000	5400	
* 1428/S	NORD-10/s/NORD-50 37 disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 37 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	990000	9900	
* 1429/S	NORD-10/s/NORD-50 2 x 37 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 2 x 37 mb, 4 terminal interfaces	963000	9630	
* 1438/S	NORD-10/s/NORD-50 75 mb disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 75 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	1035000	10300	



ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
* 1439/S	NORD-10/s/NORD-50 2 x 75 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 2 x 75 mb, 4 terminal interfaces	1026000	10300	-
* 1466/S	NORD-10/s/NORD-50 288 mb disk and magtape system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 288 mb, magtape 75 ips/1600 bpi, 4 terminal interfaces	1125000	11200	-
* 1467/S	NORD-10/s/NORD-50 2 x 288 mb disk system 128 kw, cache memory, printer terminal, floppy disk drive, disk drive 2 x 288 mb, 4 terminal interfaces	1215000	12100	-
* 3400	NORD-50/NORD-100 BASIC system Including SINTRAN III/vs operating system, NORD spooling system, FORTRAN, utility program, subsystem package, NORD-50 program package	540000	5400	-
* 3430	NORD-50/NORD-100 75 Mbytes disk and magtape system NORD-100 fast CPU, 256 kb, printer terminal, floppy disk drive, disk drive 75 mb, magtape 75 ips/1600 bpi, 5 terminal interfaces	1107000	11100	-
* 3431	NORD-50/NORD-100 2 x 75 Mbytes disk system NORD-100 fast CPU, 256 kb, printer terminal, floppy disk drive, disk drive 2 x 75 mb, 5 terminal interfaces	1098000	11000	-
* 3460	NORD-50/NORD-100 288 Mbytes disk and magtape system NORD-100 fast CPU, 256 kb, printer terminal, floppy disk drive, disk drive 288 mb, magtape 75 ips/1600 bpi, 5 terminal interfaces	1197000	12000	-
* 3461	NORD-50/NORD-100 2 x 288 Mbytes disk system NORD-100 fast CPU, 256 kb, printer terminal, floppy disk drive, disk drive 2 x 288 mb, 5 terminal interfaces	1287000	12900	-

### 3. HARDWARE

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	- 9
<u>3.1. NORD-100 CPU</u>				
* 31	Memory management NORD-100	30000	189	
* 33	Operators panel, NORD-100	3000	19	
* 34	Display panel, NORD-100	8000	50	
* 37	Rack with 12 positions, NORD-100	14000	88	
* 38	NORD-100 CPU rack with power supply, 12 positions	25000	158	
* 41	NORD-100 fast cycle and cache memory for 3200 systems	40000	252	
* 43	NORD-100 fast cycle and cache memory for 3300 systems	70000	441	
* 49	NORD-100 expansion rack with power supply, 12 positions	25000	158	
* 55	NORD-100 CPU rack, 20 positions	40000	252	
* 56	NORD-100 expansion rack, 20 pos	40000	252	
* 180	Bus driver NORD-100 to ND 163	8000	50	
* 194	Multiport driver, NORD-100 to ND 143, ND 144 or ND 146	25000	158	
* 807	Bus driver, NORD-100 to 3 burndy plugs Consist of ND 180, ND 172	11000	69	

3.2. NORD-100 MEMORY

* 103	MOS memory 512 kbytes/22 bit (4 x ND 115), upgrading one CPU	110000	693	
* 104	MOS memory 1024 KBytes/22 bit (8 x ND 115), upgrading one CPU	180000	1130	
* 113	Mos memory 64kb/22 bit	25000	158	
* 115	Mos memory 128kb/22 bit	40000	252	
* 118	MOS memory 256 KBytes/22 bit (2 x ND 115), upgrading one CPU	70000	441	
* 119	MOS memory 768 KBytes/22 bit (6 x ND 115), upgrading one CPU	150000	945	

3.3. NORD-100 TERMINAL INTERFACES

* 271	Terminal interface, 4 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	14000	88	
* 272	Terminal interface, 8 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	22000	139	
* 281	Terminal and NTB interface, 4 plus 4 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	35000	220	



10	ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
<u>3.4. NORD-100 DISK CONTROLLERS</u>					
*	559	Disk controller, ecc, NORD-100	130000	819	
*	563	Disk controller for ND 511, NORD-100	40000	252	
<u>3.5. NORD-100 FLOPPY DISK CONTROLLERS</u>					
*	362	Floppy disk controller with terminal interfaces, 4 lines	25000	158	
<u>3.6. NORD-100 MAGTAPE CONTROLLERS</u>					
*	557	Magtape controller, NORD-100	25000	158	
*	560	Magtape controller 125 ips, 1600/6250 bpi, NORD-100	30000	189	
<u>3.7. NORD-100 NORD-10/S INTERFACE ADAPTER</u>					
*	858	Adapter module for NORD-10/S programmed I/O interfaces	0	0	
<u>3.8. NORD-100 COMMUNICATION INTERFACES</u>					
*	730	HDLC dma interface for NORD-100 NB! Cable must be specified.	20000	126	
*	731	HDLC auto load for NORD-100, upgrading from ND 730 to ND 733	10000	63	
*	732	Hasp DMA interface for NORD-100	30000	189	
*	733	HDLC dma interface with auto load for NORD-100 NB! Cable must be specified.	30000	189	
*	734	Megalink, NORD-100 NB! Cable must be specified.	30000	189	
<u>3.9. NORD-100 CABINET</u>					
*	131	NORD-100/NORD-500 cabinet	10000	63	
*	132	NORD-100/NORD-500 cabinet, 11 modules Includes power frames, power panel, power control	40000	252	
*	178	NORD-100 cabinet, 6 modules	8000	50	
*	199	NORD-100 cabinet, 4 modules	7000	44	
<u>3.10. NORD-500 CPU.</u>					
*	62	Cache memory, 32 kbytes, NORD-500	250000	1580	

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-11 -
* 69	Cache memory, 64 KBytes, NORD-500	400000	2520	
<u>3.11. MULTIPORT MEMORY SYSTEM</u>				
* 101	MOS memorys 512 kbytes/21 bit (8 x ND 156), upgrading one CPU	110000	693	
* 102	MOS memory 1024 kbytes/21 bit (16 x ND 156), upgrading one CPU	180000	1130	
* 105	Multiport memory system with 512 kb/21 bit, upgrading NORD-100 Consist of ND 144, ND 145, 8 x ND 156, ND 138	200000	1260	
* 107	Multiport system for 1024 KBytes, upgrading ND 356X (X=0,1,2,3,4,5)	200000	1260	
* 108	Multiport system for 2048 KBytes, upgrading NORD-500 system Consist of 2 x ND 107, ND 132, ND 881, ND 882	400000	2520	
* 122	MOS memory 128 KBytes/21 bit (2 x ND 156), upgrading one CPU	40000	252	
* 124	MOS memory 256 KBytes 21/bit (4 x ND 156), upgrading one CPU	70000	441	
* 127	MOS memory 768 KBytes/ 21 bit (12 x ND 156), upgrading one CPU	150000	945	
* 133	ND 143 to ND 144 upgrading	60000	378	
* 134	ND 144 to ND 146 upgrading	40000	252	
* 135	ND 145 to ND 147 upgrading.	17000	107	
* 137	Multiport driver NORD-10/S	25000	158	
* 138	Mos memory power.	10000	63	
* 144	One bank 512kb multiport memory system	50000	315	
* 145	Additional one bank memory port	10000	63	
* 146	Dual bank multiport memory system	80000	504	
* 147	Additional dual bank memory port	22000	139	
* 156	Mos memory 64kb/21 bit	22000	139	

3.12. NORD-10/S CPU

* 11	Memory management system	30000	189	
* 14	Real-time clock	4000	25	
* 19	Commercial instruction set, 48 bit format	0	0	
* 21	Cache memory	60000	378	
* 23	Programmable real-time clock, NORD-10/s	6000	38	
* 24	Conversion from ND 19 to ND 25	0	0	
* 25	Commercial instruction set, 32 bit format	0	0	

3.13. NORD-10/S MEMORY



12	ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
*	149	Mos memory 4kw/18bits (NORD-12/NORD-42)	7000	44	
*	152	Mos memory 8kw/18bits.	10000	63	

### 3.14. NORD-10/S I/O SYSTEM

*	161	Bus switch BASIC unit.	50000	315	
*	162	Additional switch module.	10000	63	
*	163	Bus reciever.	20000	126	
*	164	Bus memory brancher.	25000	158	
*	165	External bus driver.	6000	38	
*	168	Bus extender, 4 i/o slots	1750	11	
*	169	Bus extender, 8 i/o slots	2500	15	
*	172	Main i/o channel wiring.	3000	19	
*	174	16 memory address registers.	8000	50	
*	567	Dma controller.	5000	32	

### 3.15. NORD-10/S TERMINAL INTERFACES

*	253	Terminal interface, 1 line, NORD-10/S	5000	32	
*	260	Terminal interface, 4 lines NORD-10/S	13000	32	

### 3.16. NORD-10/S PRINTER INTERFACES

*	258	Current loop interface for Terminet 340 and Tally 1612	5000	32	
*	458	Line printer interface for 600 lpm NORD-10/S	10000	63	
*	459	Line printer interface for ND 433, NORD-10/S	15000	95	
*	652	Versatec controller dma, NORD-10/S	18000	113	
*	655	Parallel interface for Terminet 340, NORD-10/S	10000	63	

### 3.17. NORD-10/S DISK CONTROLLERS

*	551	Disk controller for ND 511, NORD-10/S	60000	378	
*	558	Disk controller, ecc, NORD-10/S	130000	819	
*	562	ND 561 to ND 551 upgrading.	20000	126	
*	590	ND 552 to ND 558 upgrading.	75000	473	

### 3.18. NORD-10/S FLOPPY DISK CONTROLLERS

*	358	Floppy disk controller/formatter for ND 308	17000	107	
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### 3.19. NORD-10/S MAGTAPE CONTROLLERS

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-13
* 556	Magtape controller, NORD-10/S	14000	88	-
<u>3.20. NORD-10/S COMMUNICATION INTERFACES</u>				
* 252	Intercomputer link.	2000	13	
* 701	Synchronous modem controller	8000	50	
* 702	Asynchronous modem controller	6000	38	
* 705	Decwriter modem option.	1800	11	
* 711	Asynchronous modem controller, 2 lines	10000	63	
* 720	HDLC dma interface. NB! Cable must be specified.	25000	158	
* 722	Hasp dma interface.	35000	220	
* 723	HDLC i/o interface. NB! Cable must be specified.	15000	95	
* 724	ND 723 to ND 720 upgrading	15000	95	
* 763	Telex adapter, 1 line.	20000	126	
* 765	Telex controller, 2 lines	8000	50	
<u>3.21. NORD-10/S SPECIAL INTERFACES</u>				
* 351	Interface for paper tape reader.	10000	63	
* 352	Interface for paper tape punch.	10000	63	
* 450	Card reader interface.	10000	63	
* 651	Calcomp 900 interface.	13000	82	
* 653	Paralell output i/o interface	10000	63	
* 654	Calcomp 500 interface.	16000	101	
* 706	Ntb teleprinter interface, 1/4 plug Modified ND 253, 85 baud, 40mA/120V	10000	63	
* 708	Ntb teleprinter interface, 3/4 plug Modified ND 253, 85 baud, 40mA/120V	10000	63	
* 810	Process digital input.	6000	38	
* 811	Processs digital output.	6000	38	
* 812	Digital input ttl 16 bits.	5000	32	
* 813	Digital output ttl 16 bits.	5000	32	
* 814	Digital input dr -11c standard	5000	32	
* 815	Digital output dr-11c standard	5000	32	
* 820	Analog to digital converter	12000	76	
<u>3.22. NORD-10/S CABINET</u>				
* 170	Card frame.	6000	38	
* 171	NORD-10 cabinet.	10500	66	
* 176	Blower assembly.	2000	13	
* 177	Plug panel.	1500	9	
<u>3.23. CAMAC</u>				



	ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
*	800	Camac crate controller cc-10.	24000	151	
*	801	Camac dma controller.	6000	38	
*	802	Camac crate connector	5000	32	
*	803	Camac cable, 2 m.	2000	13	
*	804	Camac dma cable 0.4 m	1500	9	
*	805	16+18 camac crate connector	2500	15	
*	806	Bus driver, NORD-100 to CAMAC crate, 16+18	15000	95	
		Consist of ND 180, ND 805			

### 3.24. POWER SUPPLY

*	175	Power supply 5V/50/100/150A	7600	61	
*	895	Isolation transformer 915va 120/240V,50HZ/60HZ single phase	4000	32	
*	896	Isolation transformer 1800va, 120/240V,50HZ/60HZ single phase	4500	36	
*	897	Isolation transformer 2500va 120/240V,50HZ/60HZ single phase	5000	41	

### 4. PHERIPHERALS

#### 4.1. DISK DRIVES

*	511	Cartridge disk drive, 10 Mbytes	60000	486	
*	512	Cartridge pack, 5 Mbytes.	750	0	
*	514	Disk drive 66/75 Mbytes	120000	972	
*	516	Disk pack 33 Mbytes	3270	0	
*	522	Disk pack 37/66/75 Mbytes	3700	0	
*	523	Disk quiet cabinet.	8000	65	
*	551	Disk controller for ND 511, NORD-10/S	60000	378	
*	558	Disk controller, ecc,NORD-10/S	130000	819	
*	559	Disk controller, ecc, NORD-100	130000	819	
*	562	ND 561 to ND 551 upgrading.	20000	126	
*	563	Disk controller for ND 511, NORD-100	40000	252	
*	572	Disk drive 150 MBytes fixed, for mounting in ND 178 cabinet	150000	1300	
*	573	Disk pack 75 Mbytes.	3700	0	
*	574	Disk drive 288 Mbytes	210000	1700	
*	575	Disk pack 288 Mbytes.	7500	0	
*	576	Disk drive 37 Mbytes	90000	810	
*	577	Disk pack 37 Mbytes.	3700	0	
*	579	Disk drive 150 MByte fixed for mounting in ND 514	160000	1300	
*	585	Cartridge disk drive, 30 MBytes	80000	648	
*	586	Cartridge disk drive, 60 MBytes	110000	891	
*	587	Cartridge disk drive, 90 MBytes	130000	1050	
*	588	Disk pack, 15 Mbytes cartridge for ND 585/586/587	2300	0	

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-15
* 590	ND 552 to ND 558 upgrading.	75000	473	-
* 591	ND 576 to ND 514 upgrading.	45000	365	-
* 597	Disk switch for 37/75/288 MBytes disk drives	15000	121	-

#### 4.2. FLOPPY DISK DRIVES

* 305	Floppy disk drive, 308 kbytes.	10000	81
* 308	Floppy disk drive, 308 kbytes, rack mounted	10000	81
* 310	Floppy disk drive for NORD-100	10000	81
* 356	Diskette package of 10.	477	0
* 361	Floppy disk cabinet and formatter, freestanding, for max 2 drives	12000	0
* 364	Floppy disk housing and formatter, for rack mounting, for max 2 drives	6000	49

#### 4.3. MAGTAPE DRIVES

* 524	Magtape drive, 45 ips, 800 bpi 9 track	65000	526
* 528	Magtape drive, 75 ips, 1600 bpi, 9 track	80000	648
* 529	Magtape drive, 75 ips, 800/1600 bpi 9 track	85000	688
* 534	Magtape formatter 800 bpi	12000	97
* 535	Magtape formatter 1600 bpi	20000	162
* 536	Magtape formatter 800/1600 bpi	32000	259
* 537	Magtape formatter 1600/6250 bpi	85000	688
* 543	Magtape drive, 125 ips, 1600/6250 bpi, 9 track	140000	1130
* 556	Magtape controller, NORD-10/S	14000	88
* 557	Magtape controller, NORD-100	25000	158
* 560	Magtape controller 125 ips, 1600/6250 bpi, NORD-100	30000	189

#### 4.4. PRINTERS

* 232S	Text printer, Diablo 1650 for RS 232 interface	29500	266
* 233	Sheet feeder for Diablo 1650 (ND 232)	11000	99
* 258	Current loop interface for Terminet 340 and Tally 1612	5000	32
* 418S	Matrix printer 160 cps, Tally 1612 for RS 232 interface	22000	198
* 419S	Matrix printer 160 cps, Tally 1612 for current loop interface	22000	198
* 425S	Line printer Terminet 340 for current loop interface	43000	387
* 426S	Line printer Terminet 340 for parallel interface	43000	387



	ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-
*	427S	Line printer Terminet 340 for RS 232 interface	43000	387	-
*	431S	Line printer 600 lpm. NB! Normally not in stock, order office knows delivery time	<u>85000</u>	765	-
*	433S	Line printer 1000 lpm	145000	1310	
*	434S	96 characters option for ND 433	10000	0	
*	435S	Print band, 96 characters for ND 425, ND 426 and ND 427	5000	0	
*	437S	Print band 64 characters for ND 431	3100	0	
*	438S	Print band, 96 characters for ND 431	3100	0	
*	443S	Print band, 64 characters for ND 425, ND 426 and ND 427	5000	0	
*	444S	96 characters option for ND 425, ND 426 and ND 427	1000	0	
*	458	Line printer interface for 600 lpm NORD-10/S	10000	63	
*	459	Line printer interface for ND 433, NORD-10/S	15000	95	
*	652	Versatec controller dma, NORD-10/S	18000	113	
*	655	Parallel interface for Terminet 340, NORD-10/S	10000	63	

#### 4.5. TERMINALS

*	214	Graphic display Tektronix 4006	31500	0	
*	215	Graphic display Tektronix 4012	62000	0	
*	216	Graphic display Tektronix 4014-1	118000	0	
*	217	Hardcopy unit for Tektronix terminals (4631)	38000	0	
*	221N	Display terminal Tandberg TDV 2115 /SDS	14000	139	
*	224S	Display terminal Tandberg 2115	13000	139	
*	225S	Display terminal Tandberg 2115 /3270	13000	162	
*	226E	Display terminal Infoton 200/1	9900	99	
*	227S	Display terminal Infoton 200/4	11700	117	
*	230E	Printer terminal 75 cps, OMNI 825 KSR (English alphabet)	16000	144	
*	230N	Printer terminal 75 cps, OMNI 825 KSR (Norwegian alphabet)	16000	144	
*	230S	Printer terminal 75 cps, OMNI 825 KSR (Swedish alphabet)	16000	144	
*	240S	TET, Text editing terminal (Nortext)	25000	225	
*	241S	Display terminal VISUAL 200	10000	130	
*	242S	Display terminal Tandberg TDV 2215	14000	139	
*	253	Terminal interface, 1 line, NORD-10/S	5000	32	
*	260	Terminal interface, 4 lines NORD-10/S	13000	82	

ND NO	ITEM NAME/DESCRIPTION	PURCHASE PRICE	MONTHLY MAINT	-17
* 271	Terminal interface, 4 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	14000	88	-
* 272	Terminal interface, 8 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	22000	139	
* 281	Terminal and NTB interface, 4 plus 4 lines, NORD-100 No cables are included. Cable must be specified in case of connection to modem.	35000	220	
* 674	Barco 20" RBG monitor	34000	0	
* 677	Nct keyboard.	9000	90	
* 680	Norcom colour terminal controller (NCT)	34200	342	
* 681	Nct trackerball controller	10800	108	
* 682	Nct trackerball.	8000	72	
* 683	Nct upgrading.	15000	0	
* 849	Terminal cross coupler.	6000	54	

#### 4.6. COMMUNICATION EQUIPMENT

* 750	Limited distance modem	1300	10	
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#### 4.7. DEVICE SWITCHES

* 597	Disk switch for 37/75/288 MBytes disk drives	15000	121	
* 846	Device switch for Magtape and Line printers	10000	81	

#### 4.8. PUNCHED CARD EQUIPMENT

* 400	Card reader, 285 cpm NB! Normally not in stock, Order office knows delivery time	35000	284	
* 450	Card reader interface.	10000	63	

#### 4.9. PAPER TAPE EQUIPMENT

* 301	Paper tape reader.	17000	138	
* 303	Paper tape punch Facit 4070.	16000	130	
* 306	Paper tape reader (nortext)	17000	138	
* 351	Interface for paper tape reader.	10000	63	
* 352	Interface for paper tape punch.	10000	63	



5. SOFTWARE5.1. SOFTWARE PRICING5.1.1. Software support category

Category	support	availability
P	Full	General
Q	Limited	General
R	None	General

5.1.2. Software prices

The software price consist of two items:

1. Monthly license to use. The monthly license to use may be converted to a one time license by multiplying by 40.

The right to use includes:

- Right to use on one CPU.
- Right to use on other CPUs in case the original is down and this has been reported to ND.(i.e. customers with dual configurations for back up purpose only have to pay license to use for one CPU)
- Dokumentation, user dokomentation, installation etc.
- ND bulletin with reporting of errors and patches.
- The product is identified by its ND number and version.

The right to use is on "as is" basis i.e. ND do not guarantee correction of errors or improvements as a part of the right to use.

2. Monthly maintenance and enhancement.

The maintenance and enhancement service includes:

- Consultation service.
- New versions free of charge on order or automatic, on choice. Information about when new versions are available. A new version is identified with same ND number as previous version, but with new version identifier.

Customers with maintenance and enhancement contract can get new versions free of charge, on order or automatic.

Customers without maintenance and enhancement contract must pay the maintenance and enhancement for the months between their version and the new version (maximum is 40 times the monthly maintenance and enhancement fee), or they can sign contract for the new version as if it was a totally new product for them.

- Right to successor products to defined/garanteed prices. A successor is a product that functionally direct substitutes an other product. F.ex. SIBAS-II is the successor to SIBAS, a new COBOL for NORD-100 is successor to the current COBOL. For products where it is not that easy to define successors ND have the right to define if a product is a successor to an other.

Customers with maintenance and enhancement contract can get successor products by adjusting the monthly license to use or, if they have paid the license to use as one time license, by paying the difference between 40 times old monthly license to use and 40 times new license to use. In addition the monthly maintenance will be adjusted to new value.

Customers without maintenance and enhancement contract have to pay for successors as for any other new product.

- Right to correction of critical errors or assistance to come around the problem. Correction of errors by patch or new version, ND's choice.

### 5.1.3. Multi CPU installations

Customers with more than one CPU within one organization, with one support group for all CPUs and with all CPUs within one building (or equivalent geographical limited area) must pay for the right to use on all CPUs but only have to pay once for the maintenance and enhancement service.

### 5.1.4. Right to return within 3 month

The customer can return the software to ND within 3 month without paying any fee. If the customer keeps the software he pays for the whole period.



### 5.1.5. Dependent products.

Some software products are dependent on other, f.ex. are all software products dependent on SINTRAN. Customers can't have maintenance and enhancement contract on a product without having maintenance and enhancement contract on products it depends on.

### 5.2. SOFTWARE UPGRADING

UPGRADING FROM ND NUMBER	UPGRADING TO ND NUMBER	PRICE/CONDITION
10008 SIBAS	10166 SIBAS-II	5000 SEK plus adjustment of monthly payments
10020 NORD COBOL	10176 NORD-100/10 COBOL	No charge for customers with maintenance contract

### 5.3. OPERATING SYSTEMS

* 10047	SINTRAN III/RT operating system	288	288	P
* 10048	SINTRAN III/VS operating system	1440	1440	P
* 10049	NORD spooling system.	360	360	P
* 10050	NORD net.	360	360	P
* 10174	SINTRAN III/VSE Operating system	2160	2160	P
* 10197	SIBAS backend communication module	360	360	P

### 5.4. PROGRAMMING LANGUAGES

* 10018	NORD RPG II	540	0	Q
* 10020	NORD COBOL.	1260	1260	P
* 10023	NORD FORTRAN - 48 bit format.	720	720	P
* 10024	NORD BASIC - 48 bit format.	360	360	P
* 10033	NORD FORTRAN - 32 bit format.	720	720	P
* 10034	NORD BASIC - 32 bit format.	360	360	P
* 10058	NORD simula - 48 bit format	1620	0	Q
* 10067	FORTRAN runtime system, 48 bit format.	360	360	P
* 10076	NORD PASCAL compiler 48 bit format	540	540	P
* 10133	NORD PASCAL compiler 32 bit format	540	540	P
* 10134	COBOL runtime system	612	612	P
* 10136	FORTRAN runtime system, 32 bit format	360	360	P

ND NO	ITEM NAME/DESCRIPTION	MONTHLY LICENSE TO USE	MONTHLY MAINT AND ENH.	-21 CAT.
* 10176	NORD COBOL-100/10	1260	1260	P

#### 5.5. SUBSYSTEMS AND UTILITY PROGRAMS

* 10005	Subsystem package - 32 bit format.	360	360	P
* 10014	FLOCON/VS system	72	72	P
* 10021	FLOCON/RT system	72	72	P
* 10022	SINTRAN III/VS utility programs*	72	72	P
* 10025	Sort system.	36	36	P
* 10044	Subsystem package - 48 bit format	360	360	P
* 10072	DATACON	72	72	P
* 10073	NORD indexed sequential access method	360	360	P
* 10075	Sort-II system	288	288	P

#### 5.6. SCIENTIFIC SUBROUTINES

* 10007	Scientific subroutine package, 48 bit format	360	360	P
* 10009	Scientific subroutine package, 32 bit format	360	360	P
* 10070	Scientific subroutine package, NORD-50	360	360	P

#### 5.7. DATABASE SYSTEMS

* 10141	SIBAS load/unload module	180	180	P
* 10166	SIBAS-II	2160	2160	P
* 10197	SIBAS backend communication module	360	360	P

#### 5.8. PLOT PACKAGES

* 10010	Calcomp plot package.	288	0	Q
* 10012	Plot-10 for NORD-10, 48 bit format	288	0	Q
* 10032	Plot-10 for NORD-10, 32 bit format	288	0	Q
* 10060	Plot-10 for NORD-50.	288	0	Q
* 10068	Versaplot plot package, 32 bit format	288	0	Q
* 10137	Versaplot-07 plot package, 48 bit format	288	0	Q

#### 5.9. REMOTE JOB ENTRY SYSTEMS

* 10016	NORD IBM 3270 emulator	360	360	P
* 10026	NORD IDT CDC 200 user emulator	360	360	P
* 10027	NORD IDT Honeywell GERTS 115 emulator	360	360	P



ND NO	ITEM NAME/DESCRIPTION	MONTHLY LICENSE TO USE	MONTHLY MAINT AND ENH.	CAT.
* 10028	NORD IDT HASP work station (syncr. modem).	360	360	P
* 10029	NORD IDT UNIVAC NTR emulator(VS)	360	360	P
* 10030	NORD IDT IBM 2780/3780 emulator	360	360	P
* 10031	NORD IDT UNIVAC DCT 2000 emulator (VS)	360	360	P
* 10056	NORD IDT UNIVAC NTR emulator (RT)	360	360	P
* 10057	NORD IDT UNIVAC DCT 2000 emulator (RT)	360	360	P
* 10059	NORD IDT Honeywell VIP 7750 emulator	360	360	P
* 10063	NORD IDT IBM HASP work station (DMA)	540	540	P
* 10069	NORD IDT CDC 200 user multidrop emulator	360	360	P

#### 5.10. SCREEN HANDLING

* 10013	NSHS - NORD Screen Handling System	360	360	P
* 10046	NORD colour terminal software.	288	288	P
* 10135	Nord screen handling system, runtime system	180	180	P

#### 5.11. DATA ENTRY SYSTEMS

* 10053	NORD data entry system.	720	720	P
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#### 5.12. TRANSACTION PROCESSING SYSTEMS

* 10054	NORD Transaction Processing System (TPS)	900	900	P
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#### 5.13. TEXT PROCESSING

* 10079	NOTIS-I, basic module	900	900	P
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#### 5.14. EDITORS

* 10080	PED, NORD program editor	360	360	P
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#### 5.15. NORD-50 SOFTWARE

* 10004	NORD-50 program package.	720	720	P
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#### 5.16. TEST AND UTILITY PROGRAMS

* 10111	Test programs for NORD-10,12 and NORD-100 CPU and memory	0	0	P
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ND NO	ITEM NAME/DESCRIPTION	MONTHLY LICENSE TO USE	MONTHLY MAINT AND ENH.	-23 CAT.
* 10112	Test programs for NORD-50	0	0	P
* 10113	Test/utility prog for term, printers, communication and PT equip	0	0	P
* 10114	Test/utility prog for fl.disk, magtape and 10Mb disks	0	0	P
* 10115	Test/utility prog for 33/66 Mb disk and ECC controller disks	0	0	P
* 10116	Test/utility programs for special devices	0	0	P

#### 5.17. SPECIAL SOFTWARE

* 10074	Cross assembler for microprocessors	36	0	R
* 10124	GPM, General Purpose Macro processor	36	0	R
* 10162	MISCAL	36	0	R

#### 5.18. SPECIAL PACKAGES

* SOFTW	Följande basprogramvara ingår i grundsystemets pris: - SINTRAN III/VS - NORD FORTRAN - SINTRAN utility programs - Subsystem package	0	0	
* SUBS	Subsystem package omfattar följande komponenter: - MAC assembler - QED radorienterad editor - NPL systemprogrammeringsspråk - NRL relocating loader - BRF editor - FILE-EXTRACT - LOOK-FILE	0	0	
* BRAVO	Programpaket för ekonomifunktioner (komplett)	95000	0	
* BRA1	BRAVO, Order/fakturering	25000	0	
* BRA2	BRAVO, Beställningsrutin	20000	0	
* BRA3	BRAVO, lagerrutin	15000	0	
* BRA4	BRAVO, Redovisning Bas 76	20000	0	
* BRA5	BRAVO, Kundreskontra	15000	0	
* BRA6	BRAVO, Leverantörsreskontra	10000	0	
* BRA7	BRAVO, Försäljningsstatistik	5000	0	
* BRAS	Basprogrampaket för BRAVO Omfattande runtime-delar av SIBAS, COBOL, TPS och NSHS	01)	0	

1) Pris meddelas senare



**– we make bits for the future**

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