

MANUFACTURER

NORTHERN
TELECOM

DRIVE

8208X

DISK/TREND GROUP

6

MARKET

OEM

MEDIA: Generic type

Fixed

Nominal disk diameter

200 mm OD
63.5 mm ID
Oxide Coated

Recording medium

DRIVE: Heads

Ferrite

Interface

SMD, SCSI

CAPACITY/RECORDING DENSITY

Total capacity (Mbytes) FIXED

SCSI(F): 142.0
(U): 187.3

REMOVABLE

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Capacity per track (Bytes)

U: 21,912

Data surfaces per spindle

8

Heads per data surface

1

Tracks per surface

1069

Track density (TPI)

1039

Maximum linear density (BPI)

10238

Rotational speed (RPM)

3313.5

PERFORMANCE

Actuator type

Rotary,
Torque Motor

Average positioning time (msec)

19.5 (256 byte
sector)

Average rotational delay (msec)

9

Average access time (msec)

28.5

Data transfer rate (KBytes/sec)

1209

FIRST CUSTOMER SHIPMENT

9/83

U.S. OEM PRICE FOR 100 UNITS

\$3,040

COMMENTS

Embedded Servo

MANUFACTURER	NORTHERN TELECOM	NORTHERN TELECOM	NORTHERN TELECOM	NORTHERN TELECOM	NORTHERN TELECOM
DRIVE					
	8210X	8212X	8308	8312	8412
DISK/TREND GROUP	6	7	7	8	8
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	200 mm OD	200 mm OD	200 mm OD	200 mm OD	200 mm OD
Recording medium	63.5 mm ID Oxide Coated	63.5 mm ID Oxide Coated	63.5 mm ID Thin Film	63.5 mm ID Thin Film	63.5 mm ID Thin Film
DRIVE: Heads	Ferrite	Ferrite	Thin Film	Thin Film	Thin Film
Interface	SMD, SCSI	SMD, SCSI	H/P-SMD, SCSI	H/P-SMD, SCSI	SMD, SCSI, IPI-2
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes) FIXED	SCSI(F): 177.5 (U): 234.2	SCSI(F): 265.6 (U): 350.2	SCSI(F): 323 (U): 394.8	SCSI(F): 529 (U): 592.2	U: 750
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 21,912	U: 21,912	U: 34,300	U: 34,300	U: 41,778
Data surfaces per spindle	10	12	8	12	12
Heads per data surface	1	1	1	1	1
Tracks per surface	1069	1332	1439	1439	1496
Track density (TPI)	1039	1203	1236	1236	1312
Maximum linear density (BPI)	10238	10238	16200 BPI* 10800 FCI	16200 BPI* 10800 FCI	19800 BPI* 13200 FCI
Rotational speed (RPM)	3313.5	3313.5	3313.5	3313.5	3656
PERFORMANCE					
Actuator type	Rotary, Torque Motor	Rotary, Torque Motor	Rotary, Torque Motor	Rotary, Torque Motor	Rotary, Torque Motor
Average positioning time (msec)	19.5 (256 byte sector)	21 (256 byte sector)	20	18	17.5
Average rotational delay (msec)	9	9	9	9	8.2
Average access time (msec)	28.5	30	29	27	25.7
Data transfer rate (KBytes/sec)	1209	1209	1895	1895	2550
FIRST CUSTOMER SHIPMENT	9/83	6/85	6/85	12/85	1/87
U.S. OEM PRICE FOR 100 UNITS	\$3,350	\$3,800	\$3,950	\$4,400	\$4,800
COMMENTS	Embedded Servo	Embedded Servo	*2,7 RLL Code Embedded Servo	*2,7 RLL Code Embedded Servo	*2,7 RLL Code Embedded Servo

MANUFACTURER	NORTHERN TELECOM	NORTHERN TELECOM	NORTHERN TELECOM
DRIVE			
	8414	8512	8514
DISK/TREND GROUP	8	8	9
MARKET	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed
Nominal disk diameter	200 mm OD 63.5 mm ID	200 mm OD 63.5 mm ID	200 mm OD 63.5 mm ID
Recording medium	Thin Film	Thin Film	Thin Film
DRIVE: Heads	Thin Film	Thin Film	Thin Film
Interface	SMD, SCSI,IPI-2	SMD, SCSI,IPI-2	SMD, SCSI,IPI-2
CAPACITY/RECORDING DENSITY			
Total capacity (Mbytes) FIXED	U: 925	U: 883	U: 1,090
REMOVABLE	--	--	--
Capacity per track (Bytes)	U: 41,778	U: 49,200	U: 49,200
Data surfaces per spindle	14	12	14
Heads per data surface	1	1	1
Tracks per surface	1583	1496	1583
Track density (TPI)	1368	1312	1368
Maximum linear density (BPI)	19800 BPI* 13200 FCI	23400 BPI* 15600 FCI	23400 BPI* 15600 FCI
Rotational speed (RPM)	3656	3656	3656
PERFORMANCE			
Actuator type	Rotary, Torque Motor	Rotary, Torque Motor	Rotary, Torque Motor
Average positioning time (msec)	17	17.5	16
Average rotational delay (msec)	8.2	8.2	8.2
Average access time (msec)	25.2	25.7	24.2
Data transfer rate (KBytes/sec)	2550	3000	3000
FIRST CUSTOMER SHIPMENT	11/87	3/87	11/87
U.S. OEM PRICE FOR 100 UNITS	\$5,400	\$5,400	\$6,300
COMMENTS	*2,7 RLL Code Embedded Servo	*2,7 RLL Code Embedded Servo	*2,7 RLL Code Embedded Servo

1988 DISK/TREND REPORT