

IEEE 802.5-Token Ring - Priority and Reservation • For reservation: AC (Access Control) is used. No Token FrameOrphan Frame IEEE 802.5-Token Ring - Framing • NIC (Network Interface Card) Addresses (6-byte) · Differential Manchester Coding • Max speeds are 4 and 16 Mbps (IEEE 802.5t: 100 Mbps, IEEE 802.5v: 1 Gbps) • First sending bit is MSB (different from 802.3 and 802.4) 1 1 1 6 6 4500 4 1 SD AC ED AC FC Dest. Addr. SD Src. Addr. Data CRC ED FS Abort SD ED PDU DSAP SSAP Control Info

FDDI (Fiber Distributed Data Interface)

- Fiber optics: 100 Mbps

- A-Frame (Asynchronous Frame)
- Timing Register
 SA (Synch. Allocation)
 TTRT (Target Token Rotation Time)
 AMT (Absolute Maximum Time)

 - TRT (Token Rotation Timer)THT (Token Holding Time)

FDDI (Fiber Distributed Data Interface) - Con't

• 4B/5B Coding

5 Bit	Explanation	
00000	Q (Quit)	
11111	I (Idle)	
00100	H (Halt)	
11000	J (Used as a starting marker)	
10001	K (Used as a starting marker)	
01101	T (Used as a ending marker)	
11001	S (Set)	
00111	R (Reset)	

4 Bit	5 Bit	4 Bit	5 Bit
0000	11110	1000	10010
0001	01001	1001	10011
0010	10100	1010	10110
0011	10101	1011	10111
0100	01010	1100	11010
0101	01011	1101	11011
0110	01110	1110	11100
0111	01111	1111	11101

4/84

