



The Cover

TOSHIBA REVIEW 1996 VOL.51 NO.9

Special Issues:

Advanced ULSI Technologies /Multimedia Communication Technologies

Special Reports

Advanced ULSI Technologies

- Key Technologies for the Future ULSI Era
- Future Trends in ULSI Basic Technologies
- DRAM Technologies for Gbit Era--6F² New Cell Technology and Low-Power Technology
- Technology for Ultrahigh-Speed Circuits--1.56 ns ALU High-Speed Computing Circuit Technology
- High-Speed GaAs Device Technology for Telecommunications Systems
- Ultrasmall Si Device Technologies
- Highly Reliable Gate Oxide Technology--Study on Dielectric Breakdown Mechanism of SiO₂
- ULSI Lithography/Data Processing Techniques

Multimedia Communication Technologies

- Communication Technologies Open the Multimedia Era
- Multimedia Communication Systems Using CATV LAN and Telephony Systems
- Television Transmission System in Ogasawara Islands via Communications Satellite
- AX-4100/AX-1500 ATM Exchange System
- High-Speed Packet Network
- PHS Cell Station
- High-Density Assembly Technologies for Ultracompact PHS Terminals

Feature Articles

- Parallel Optical Interconnect Modules
 - Strata DK280 R3 Digital Business Telephone System
 - TLP310 LCD Data Projector
 - Air-Conditioner Management System with Color LCD and Touch Panel
 - DAQ Gun for 36 cm Mini-Neck Color Display Tube
-