

MT8816 8 x 16 Analog Switch Array with low on-resistance, for (VDD - VEE) =4. 5V to 13.2V, with Chip Select

Product Status - Production

The MT8816 is fabricated in ISO-CMOS technology providing low power dissipation and high reliability. The device contains a 8 x 16 array of crosspoint switches along with a 7 to 128 line decoder and latch circuits. Any one of the 128 switches can be addressed by selecting the appropriate seven address bits. The selected switch can be turned on or off by applying a logical one or zero to the DATA input.

Features

- Internal control latches and address decoder
- Short set-up and hold times
- Wide operating voltage: 4.5V to 13.2V
- 12Vpp analog signal capability
- Full CMOS switch for low distortion
- Minimum feedthrough and crosstalk
- Separate analog and digital reference supplies
- Low power consumption ISO-CMOS technology

Typical Applications

- Key systems
- PBX systems
- Mobile radio
- Test equipment/instrumentation
- Analog/digital multiplexers
- Audio/Video switching

Product Information

Document Type	Title	Last Updated	Format/Size	Receive via e-mail
Data sheet	MT8816 Data Sheet	01-MAR-97	PDF - 373.9K	E-mail
Application Note	Designing Large Switching Matrices Using Mitel Analog Switch Arrays	01-JAN-01	PDF - 79.6K	E-mail
	Understanding and Eliminating Latch-Up in CMOS Applications	01-JAN-01	PDF - 430.4K	E-mail
Functional Block Diagram	Functional Block Diagram	01-JAN-01	JPEG - 37.3K	E-mail

Page Contents

- [Features](#)
- [Typical Applications](#)
- [Product Information](#)
- [Pricing, Availability and Packaging](#)
- [Related Products](#)

Related Resources

- [Selector Guide](#)
- [Product Tree](#)

User Functions

- [Bookmark this page](#)
- [Notify me of Changes](#)
- [Technical Enquiry](#)

Pricing, Availability and Packaging

Ordering Part No.	Package Type	No. of Pins	Lead Time (Weeks)	Status	Budgetary Pricing		Shipping Option
					Quantity	\$US Each	
MT8816AE	PDIP	40	4	Production	1000+	\$5.03	Tubes (Anti-static Sticks)
MT8816AP	PLCC	44	4	Production	1000+	\$4.93	Tubes (Anti-static Sticks)
MT8816APR	PLCC	44	4.4	Production	1000+	\$4.99	Tape & Reel Mounted

[Top](#)

Related Products

Part Number	Description
 MH88500	Subscriber Line Interface Circuit (SLIC) for analog PABX, intercoms and Central Office
 MH88510/11	SLIC for analog PABX, intercoms and Central Office with BORSH functions
 MH88524	Dual 2-4 Wire Circuit

[Top](#)

[products](#) > [product tree](#) > product profile: MT8816