



DDR1

The Global Leader in Specialized Storage and Memory Solutions



KEY FEATURES

- Chipkill support
- Legacy system support

Double Data Rate (DDR), also known as DDR1, is the second generation of Synchronous DRAM (SDRAM). As its name implies, double data rate refers to its ability to read and write data on both the rising and falling of the system clock to achieve nearly twice the bandwidth of single data rate (SDR) SDRAM.

JEDEC developed the DDR SDRAM specification (JESD79) in 2000 and was an advancement over SDRAM technology with increased memory bandwidth and performance. ATP DDR1 modules have 400 MT/s transfer speeds and run at 2.5V, significantly cutting power consumption compared with SDRAM's 3.3V.

Specifications

DDR			Technologies	30µ" Golden Finger	ATP TDBI	Wide Temperature
DIMM Type	Non-ECC UDIMM	Non-ECC SO-DIMM				
Density	256 MB	128 MB to 512 MB / 1 GB	Non-ECC UDIMM	●	●	-
Speed up to (MT/s)	400	400	Non-ECC SO-DIMM	●	●	▲
PCB Height	Low Profile	Low Profile	▲: Optional			
Operating Temperature (Ta)	0°C to 70°C	0°C to 70°C / -40°C to 85°C				



The Global Leader in Specialized Storage and Memory Solutions

WE BUILD WITH YOU

Product spec and its related information are subject to change without advance notice.
Please refer to www.atpinc.com for latest information

v1 022026

© Copyright 2026 ATP Electronics, Inc. All rights reserved.

ATP TAIWAN (HQ)

TEL: +886-2-2659-6368
sales-apac@atpinc.com

ATP USA

TEL: +1-408-732-5000
sales@atpinc.com

ATP EUROPE

TEL: +49-89-374-9999-0
sales-europe@atpinc.com

ATP JAPAN

TEL: +81-3-6260-0797
sales-japan@atpinc.com

ATP CHINA

TEL: +86-21-5080-2220
sales@cn.atpinc.com

ATP INDIA

sales-india@atpinc.com