

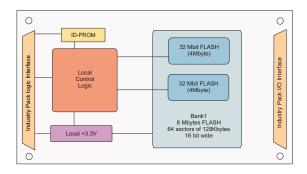
# TIP250 8 Mbytes Flash Memory

### **Application Information**

The TIP250 is an IndustryPack® compatible module that offers an easy and reliable way to implement 8 Mbytes of Flash memory. The TIP250 is ideal for holding application code, operating system software or data.

Two AM29LV033 devices (32Mbit, x8 organized) are used to provide 1 bank of 8 Mbytes (16 bit wide) Flash memory which is divided into 64 sectors of 128 Kbytes (16 bit wide).

Accesses to the TIP250 Flash memory occur within the IP memory space. After power-on the TIP250 comes up in read only mode. The IP I/O space holds the Flash Control Register and the interrupt vector register.



For First-Time-Buyers the engineering documentation is recommended. The engineering documentation includes TIP250-DOC, schematics and data sheets.

Driver support (TIP250-SW-xx) is available for different operating systems.

### **Technical Information**

- Interface according to IndustryPack specification
- 0 Identification-PROM supports auto-configuration
- 0 Single Size IndustryPack
- 0 8 Mbytes of Flash Memory
- Organized in 1 bank of 8 Mbytes (16 bit wide), 64 sectors of 128 Kbytes (16 bit wide)
- Flash chip: 2 x AM29LV033, 90 ns, TSOP package
- Guaranteed min. erase and program cycle endurance: 1.000.000 cycles
- Typical bank erase time: 45 s
- Typical sector erase time: 0.7 s
- Typical word programming time: 9 µs
- Typical bank programming time: 36 s
- Interrupt support on program / erase cycles
- Power requirements: +5V only, on board +3.3V generation
- No connections to IP-I/O connector
- Operating temperature -40°C to +85°C

## **Order Information**

TIP250-10 TIP250-DOC TIP250-ED	8 Mbytes Flash Memory User Documentation Engineering Documentation, includes TIP250-DOC
TIP250-SW-12	OS-9 Software Support
TIP250-SW-32	pSOS Software Support
TIP250-SW-42	VxWorks Software Support
TIP250-SW-62	Windows NT 4.0 Software Support
TIP250-SW-72	LynxOS Software Support
TIP250-SW-82	LiNUX Software Support
TIP250-SW-92	QNX 4 Software Support
TIP250-SW-95	QNX 6 Software Support

TEWS TECHNOLOGIES GmbH keeps the right to change technical specification without further notice IndustryPack is a registered trademark of SBS Technologies, Inc.

06/2002

#### TEWS TECHNOLOGIES GmbH

Am Bahnhof 7

Phone: +49-(0)4101-4058-0 e-mail: info@tews.com

25469 Halstenbek / Germany Fax: +49-(0)4101-4058-19 www.tews.com

TEWS TECHNOLOGIES LLC

1 E. Liberty Street, Sixth Floor Phone: +1 (775) 686 6077 e-mail: usasales@tews.com

Reno, Nevada 89504 / USA Fax: +1 (775) 686 6024 www.tews.com