

LPC47M182

In Production

The LPC47M182 is a 3.3V (5V tolerant) PC99a/PC2001 compliant Advanced I/O controller for Desktop PCs. The LPC47M182's LPC interface supports LPC I/O and DMA cycles. The true CMOS 765B core provides 100% compatibility with IBM PC/XT™ and PC/AT™ architectures. The parallel port is compatible with IEEE 1284 EPP and ECP. The LPC47M182 incorporates sophisticated power control circuitry (PCC) which includes support for keyboard and mouse wake up events as well as PME support. The PCC supports multiple low power-down modes. The Motherboard GLUE logic includes various power management logic including generation of nRSMRST, Power OK signal generation, 5V main and standby reference generation. There are also three LEDs to indicate power status and hard drive activity. The translation circuit converts 3.3V signals to 5V signals. Also included is SMBus main power well to resume power well isolation circuitry. The I/O Address, DMA Channel and hardware IRQ of each logical device in the LPC47M182 may be reprogrammed through the internal configuration registers. There are up to 480 (960 for Parallel Port) I/O address location options, a Serialized IRQ interface, and three DMA channels.




Features

Features:

- LPC Interface
- 128 QFP Packaging
- 13 GPIO pins
- Motherboard GLUE Logic
- 2 Fan Tachometer Inputs
- Legacy I/O
- CMOS 765B Floppy Disk Controller
- Two 16C550A Compatible UARTs
- 1 Multi-Mode Parallel Port with ChiProtect™, EPP and ECP
- ACPI 1.0b/2.0 Compatible
- ISA Plug-and-Play Standard Support

Parameter Name	Value
Parallel Port	Yes
GPIO Pins	13
Operating Voltage	3.3V
Op Temp Max	70
Interface	LPC

 Documentation

Download All

IBIS

[LPC47M182 IBIS model](#)

IBIS

04/26/2011399KB



Product Brief

[LPC47M182 Advanced I/O Controller with Motherboard GLUE Logic - Product Brief](#)

Product Brief

08/28/2014117KB



Silicon Product

[LPC47M182](#)

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06/26/20140B





▼ Pricing & Samples

All pricing shown in USD only.

Part Number	Leads	Package Type	Temp Range	Packing	1+	26+	100+	1000+	5000+	Buy	Sample
LPC47M182-NW	128	MQFP	0C to +70C	TRAY	3.18	2.65	2.41	2.33	2.30	\$	

** Device not available to purchase online. Please contact a [sales office](#) for pricing information.[Open a microchipDIRECT account today!](#)

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Product	Price5K
DME1737	
ECE1088	\$0.62
ECE1099	\$0.67
ECE1105	\$1.35
ECE1117	\$0.89
ECE5028	
ECE5048	
FDC37B727	\$7.28
FDC37B787	\$9.62
FDC37C669	\$5.35
FDC37C78	\$5.78
LPC47B272	\$8.65
LPC47M102	
LPC47M107	
LPC47M112	\$5.56
LPC47M182	\$2.30
LPC47M192	\$5.07
LPC47N217	\$1.35
LPC47N237	
LPC47N267	
SIO1007	\$1.80
SIO1028	\$2.44
SIO10N268	\$4.99

▼ RoHS Information

Part Number	Device Weight	Shipping Weight	Lead Count	Package Type	Package Width	Solder Composition	JEDEC Indicator	RoHS	China EFUP
LPC47M182-NW	1.810000	3.181818	128	MQFP	14x20x2.7	Matte Tin	e3		
LPC47M182E-NW	1.810000	3.181818	128	MQFP	14x20x2.7	Matte Tin	e3		

To see a complete listing of RoHS data for this device, please [Click here](#)

Shipping Weight = Device Weight + Packing Material weight. Please contact Sales office if device weight is not available.