

## IC INTERFACE SPECIALIZED 128QFP

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	MQFP-128
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SCH5127-NW or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The SCH5127 is a 3.3V (Super I/O Block is 5V tolerant)PC99/PC2001 compliant Super I/O controller with an LPC interface,and includes Hardware Monitoring capabilities, enhanced Security features,Power Control logic and Motherboard Glue logic.

There are five analog inputs for monitoring externalvoltages as well as internal monitoring of the SIO's VCC (emulated powerwell), VTR (signal power well), and VBAT power supplies, and can alert thesystem to out-of-limit conditions and automatically control the speeds ofmultiple fans.

Complete legacy Super I/O functionality including a floppydisk controller with SMSC's true CMOS 765B core and enhanced digital dataseparator are incorporated. The true CMOS (Complementary Metal-Oxide-Semiconductor)765B core provides 100% compatibility with IBM PC/XTTM andPC/ATTM architectures and is software and register compatible withSMSC's proprietary 82077AA core.

Family partsSCH5127-NW

## Features

8042 Keyboard Controller

128 QFP Packaging

Legacy I/O

30 GPIO Pins

State Machine Fan Control Engine

IEEE 1284, EPP, and ECP Compatible Parallel Port

One IrDA 1.0 Infrared Port

One 16C550A UART-compatible serial port

3 PWM Outputs

3 fan tachometer inputs

ACPI 1.0/2.0 Compatible

Hardware monitoring: temperature, voltage, and fan speed monitoring

Motherboard Glue logic: various power management and system logic (generation of nRSMRST, SMBus isolation buffers, and buffered PCI reset outputs)

## Related Products



### [VSC8664XIC](#)

Microchip Technology, Inc  
BGA-256



### [VSC8662XIC](#)

Microchip Technology, Inc  
256-BGA



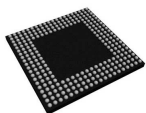
### [VSC8221XHH](#)

Microchip Technology, Inc  
BGA-100P



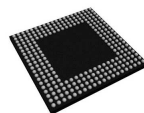
### [VSC8502XML](#)

Microchip Technology, Inc  
QFN



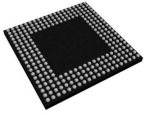
### [VSC8664XIC-03](#)

Microchip Technology, Inc  
BGA-256D



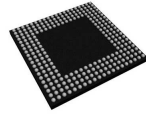
### [VSC8574XKS-05](#)

Microchip Technology, Inc  
256-BGA



[VSC8572XKS-05](#)

Microchip Technology, Inc  
256-BGA



[VSC8552XKS-02](#)

Microchip Technology, Inc  
256-BGA