Philips Components

Data sheet			
status	Product specification		
date of issue	June 1990		

FEATURES

- Operating supply voltage 5 V ± 10%
- · Inputs and outputs ESD protected
- Automatic power-down after a completed read access
- Access time: 55 ns and 70 ns
 Low current consumption:
- active

standby (TTL) standby (CMOS) 70 mA max. 3 mA max. 100 μA max.

(L-version)

standby (CMOS)

1 μA max. (LL-version)

- Suitable for battery back-up operation: (FCB61C65L/LL only) data retention voltage data retention current 50 µA max. (L-version) data retention current 1 µA max. (LL-version)
- Latched data outputs giving stable data between consecutive accesses
- · Easy memory expansion
- Common data I/O interface
- All inputs and outputs TTL and CMOS compatible
- All inputs have a Schmitt trigger switching action
- Three-state outputs
- Operating temperature 0 °C to +70 °C

FCB61C65(L/LL) 8 K x 8 Fast CMOS low-power static RAM

FOR DETAILED INFORMATION SEE RELEVANT DATA BOOK OR DATA SHEET

GENERAL DESCRIPTION

The FCB61C65(L/LL) is a 65536-bit fast, low-power, static random access memory organized as 8192 words of 8 bits each.

The chip enable inputs $\overline{CE1}$ and CE2 are available for memory expansion and to control the low-power/ standby mode.

The device operates from a \odot V power supply and has an access time of 55 ns and 70 ns.

The FCB61C65(L/LL) is ideally suited for memory applications where fast access time, low power and ease of use are required.

The FCB61C65(L/LL) is a CMOS device which uses a 6 transistor memory cell.

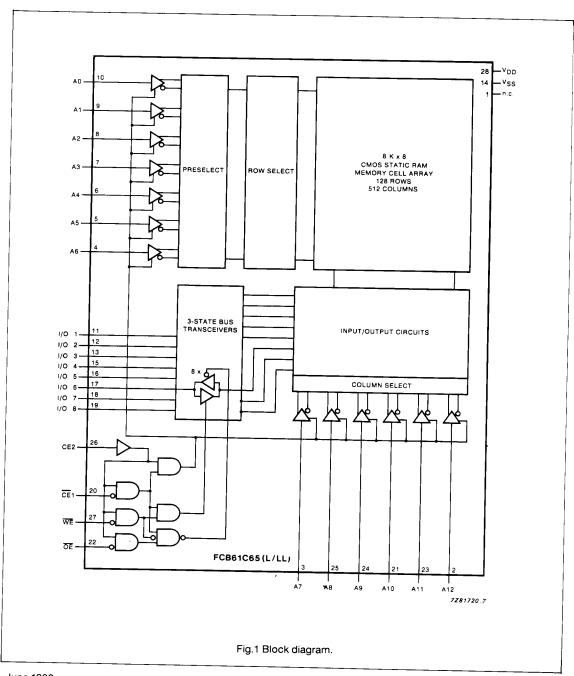
The IC is fabricated in a CMOS double-metal single-poly process using ion-implanted silicon gate technology.

ORDERING AND PACKAGE INFORMATION

EXTENDED	PACKAGE				
TYPE NUMBER	PINS	PIN POSITION	MATERIAL	CODE	
FCB61C65 (L/LL)-XXP	28	DIL (600 mil)	plastic	SOT117	
FCB61C65 (L/LL)-XXT	28	SO28XL (330mil	plastic	SOT213	

8 K x 8 Fast CMOS low-power static RAM

FCB61C65(L/LL)



June 1990

Philips Components

Data sheet			
status	Product specification		
date of issue	August 1990		

FEATURES

- Operating supply voltage 5 V ± 10%
- · Inputs and outputs ESD protected
- Automatic power-down after a completed read access
- · Access time: 85 ns
- Low current consumption:

 $\begin{array}{lll} \text{active} & \text{60 mA max.} \\ \text{standby (TTL)} & 3 \text{ mA max.} \\ \text{standby (CMOS)} & 200 \ \mu\text{A max.} \\ \text{(L-version)} \\ \text{standby (CMOS)} & 4 \ \mu\text{A max.} \\ \text{(LL-version)} \end{array}$

- Suitable for battery back-up operation: (FCF61C65L/LL only) data retention voltage data retention current 100 μA max. (L-version) data retention current 4 μA max. (LL-version)
- Latched data outputs giving stable data between consecutive accesses
- · Easy memory expansion
- Common data I/O interface
- All input and outputs TTL and CMOS compatible
- All inputs have a Schmitt trigger switching action
- Three-state outputs
- Operating temperature –40 °C to +85 °C

FCF61C65(L/LL) 8 K x 8 Fast CMOS low-power static RAM for extended temperature range

FOR DETAILED INFORMATION SEE RELEVANT DATA BOOK OR DATA SHEET

GENERAL DESCRIPTION

The FCF61C65(L/LL) is a 65536-bit, fast, low-power, static random access memory organized as 8192 words of 8 bits each.

The chip enable inputs $\overline{CE1}$ and CE2 are available for memory expansion and to control the lower-power/ standby mode.

The device operates from a 5 V power supply and has an access time of 85 ns.

The FCF61C65(L/LL) is ideally suited for memory applications for the extended temperature range of -40 to +85°C where fast access time, low power and ease of use are required.

The FCF61C65(L/LL) is a full CMOS device using a 6 transistor memory cell.

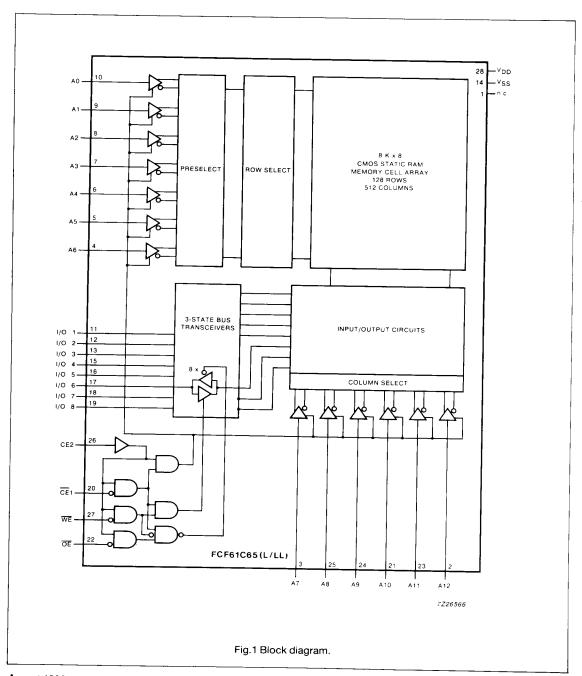
The IC is fabricated in a CMOS double-metal single-poly process using ion-implanted silicon gate technology.

ORDERING AND PACKAGE INFORMATION

EXTENDED	PACKAGE				
TYPE NUMBER	PINS	PIN POSITION	MATERIAL	CODE	
FCF61C65 (L/LL)-85T	28	SO28XL(330mil)	plastic	SOT213	

8 K x 8 Fast CMOS low-power static RAM for extended temperature range

FCF61C65(L/LL)



August 1990