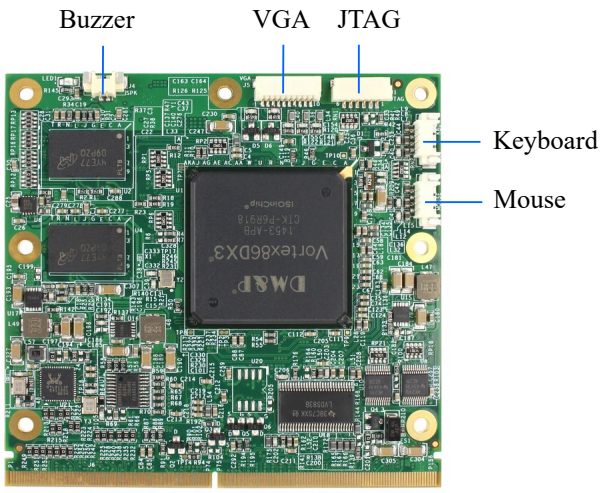
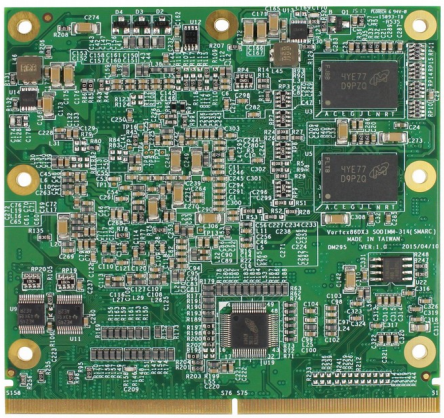
尚 控 科 技
SHANGKONGKEJI

SOM-7161

1GB/4S/2USB/SATA/LCD/LVDS/ LAN/GPIO/SD/SPI/I²C/PCIe





Specification

Processor	DM&P SoC CPU Vortex86DX3 - 1GHz L1: 32K I-Cache, 32K D-Cache, L2: 512KB Cache
RAM	1GB/2GB DDR3 Onboard
BIOS	AMIBIOS
Watchdog Timer	Software programmable from 30.5μs sec. to 512 sec. x 2 sets
Display	Integrated 2D VGA chip with Dual Display Support (VGA + LVDS) Share 16MB to 256MB system memory 18/24-bit Single channel LVDS VGA: Maximum resolution up to 1920x1080 LVDS(Single) Maximum resolution up to 1024x768
LAN	Realtek 8111F 10/100/1000Mbps
Audio	HD Audio
PWM	None
Optional Interface	None
Flash Disk Support	None
I/O interface	SATA x1 SD/eMMC x1 RS232 x4 (2 wire x2, 4 wire x2) USB (ver 2.0) x2 12-bit GPIO x1 SPI x1 I²C x1 PCIe 1.0 (1 lane) x2 (Optional)
Connector	1.0mm 10-pin header for VGA x1 1.25mm 4-pin wafer for KBD x1 1.25mm 4-pin wafer for Mouse x1 1.25mm 2-pin header for Buzzer x1
Power Requirement	Single Voltage +5V
Weight	63g
Dimensions	82mm x 80mm

Operating Temp.	-20℃ ~ +70℃ -40℃ ~ +85℃ (Optional)
OS Support	DOS, Windows CE6.0/CE7.0/XP Professional/ Embedded Standard(XPE)/Embedded Standard 7 POS Ready (WePOS), Embedded Linux, QNX, VxWorks, and FreeBSD

Ordering Information

SOM-7161-53S

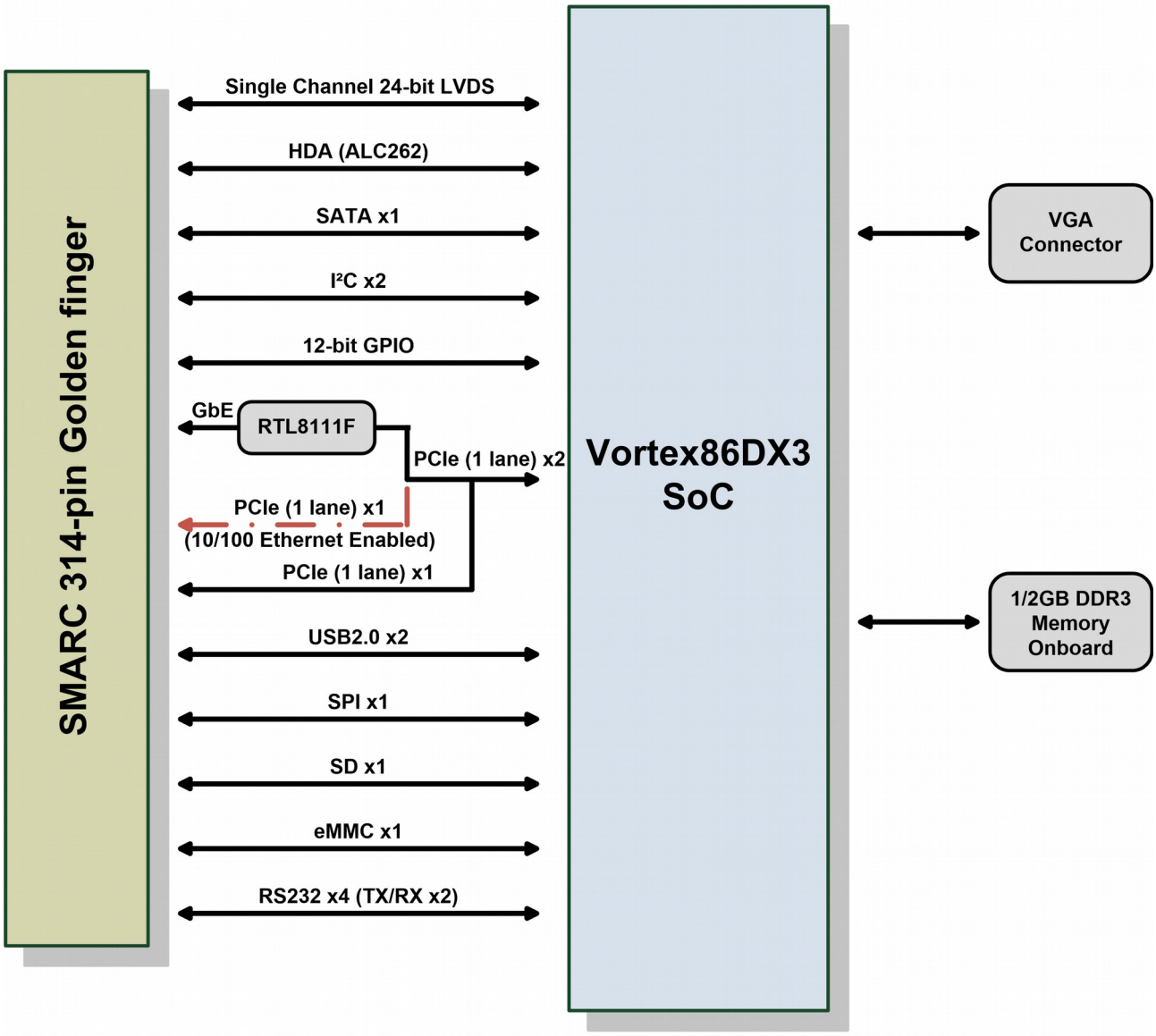
Vortex86DX3 800MHz SMRC CPU Module with 512MB DDR3

SOM-7161-74E

Vortex86DX3 1GHz SMARCCPU Module with 1GB DDR3

SOM-7161-75E

Vortex86DX3 1GHz SMARC CPU Module with 2GB DDR3

SMARC

Specification