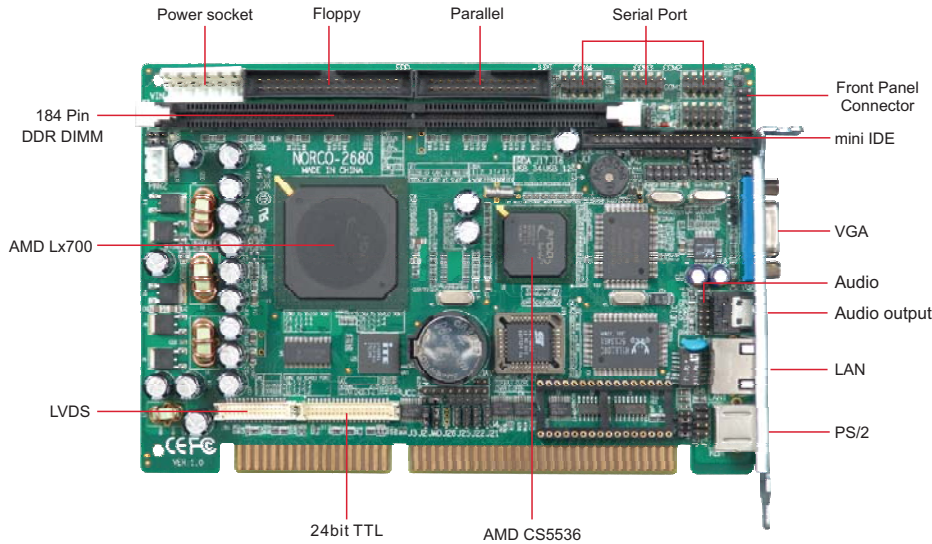


NORCO-2680ALE

ISA Based Half Size CPU Card/AMD LX700 Processor
VGA/TFT/LVDS/LAN/CF card/4 USB2.0/4 Serial



Feature:

- ◆ AMD LX700 Processor
- ◆ Support VGA/24bit TTL/24bit LVDS
- ◆ One DIMM memory slot, Support DDR 333/400 MHz, Max. Up to 1GB
- ◆ Four USB 2.0, Four Serial Ports



Direct LCD output



USB 2.0



CF card



BIOS Security

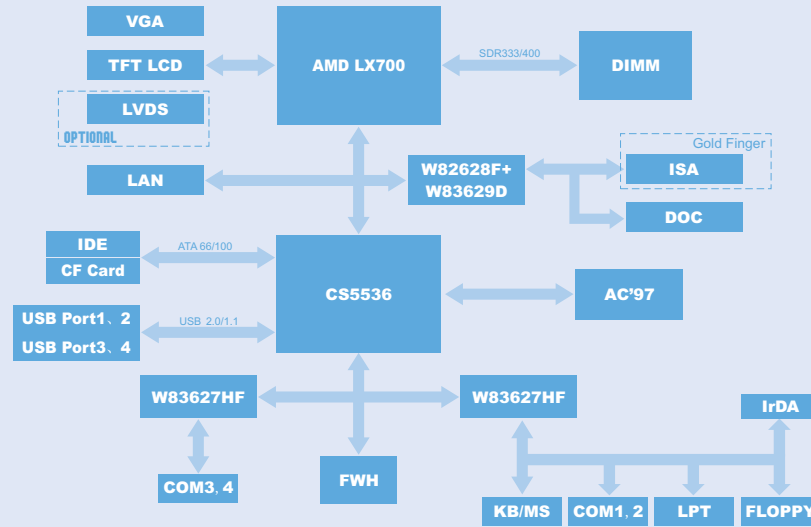
Description

NORCO-2680ALE is based on AMD LX700 CPU+CS5536 platform, CPU Frequency is 433MH, Low power consumption to 0.9Walt, Fanless design. The board provide One DIMM memory slot, support DDR333/400MHz , max. Up to 1GB; and support multi-I/O such as One Compact Flash card Socket; Four Serial Ports; Four USB 2.0 Ports; One 10/100Mbps LAN port; Onboard graphic ocntrroller provide VGA/24bit TTL/18bit LVDS output.

Specificaton

General	Processor	AMD LX700 Processor (Frequency 433MHz)
	Chipset	AMD LX700+CS5536
	BIOS	2Mbit Flash BIOS, support USB device boot
	System memory	One DIMM memory slot, support DDR 333/400MHz, Max. Up to 1GB
	Power Manage	Support APM1.2, ACPI
	Watch Dog	Support Hardware Reset
	Battery	Lithium 3V/210MAH
Graphic	Controller	AMD LX700 Integrate
	Graphic memory	Share 8~128MB system memory
	Interface	VGA/24bit TTL/ 18bit LVDS
I/O	Chip	Winbond W83627HF
	Serial Port	Four; Port 2 support RS422/RS485
	USB Port	Four USB 2.0
	Audio	AC' 97; support Line_out, Mic_in (through 2x6 pin connector)
	Parallel	One
Network	Controller	Realtek RTL8100C
	Bandwidth	10/100Mbps
	Interface	RJ-45×1
Storage	mini IDE	One Port, support Ultra DMA 66/100
	FLOPPY	One Port
	DOC	One 32 pin DOC socket
	CF card	One 50 pin Compact Flash card socket
Other	ISA Bus	Winbond W82628F+W83629D PCI-ISA bridge
	Power Supply	AT/ATX
	Board Size	185mm×122mm
	Operate Environment	0℃~60℃ (T), 5%~95% (H)

Block Diagram:



Serial Port Mode Control Jumper(J16,J17,J18):

				Port 2 RS422	Port 2 RS485	Port 2 RS232
J16	J17	J18		1-3 2-4	1-3 2-4	3-5 4-6
				1-3 2-4	1-3 2-4	3-5 4-6
				3-4	5-6 7-8	1-2

TTL:

PIN Define	
+12V	1 2
GND	GND
+5V	+5V
ENAVEE	GND
P0	P1
P2	P3
P4	P5
P6	P7
P8	P9
P10	P11
P12	P13
P14	P15
P16	P17
P18	P19
P20	P21
P22	P23
GND	GND
SHFCLK	FLM (V SYS)
M	LP (H SYS)
GND	ENABKL
NC	NC
NC	NC
	43 44

Serial Port 2:

	PIN Define
RS 422	1 2 3 4 5 6 7 8 9
	TX- TX+ RX+ RX- GND NC NC NC NC
RS 485	1 2 3 4 5 6 7 8 9
	DATA- DATA+ NC NC GND NC NC NC NC

Accessories:

Article	Qty	Article	Qty
Manual	1 pcs	Serial/Audio Convert Cable	1 pcs
Driver CD	1 pcs	USB Convert Cable	1 pcs
mini IDE cable	1 pcs	PS/2 KB/MS Y-Mode Cable	1 pcs
Serial/Parallel Convert Cable	1 pcs	Jumper Header	Few

JCC(Clean COMS):

	Normal	Clean CMOS
	2-3	1-2

LVDS:

	PIN Define
	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
	VDD GND YAM0 YAP0 GND YAM1 YAP1 GND YAM2 YAP2 GND CLKAM CLKAP GND DDCPDATA
	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
	VDD GND YBM0 YBP0 GND YBM1 YBP1 GND YBM2 YBP2 GND CLKBM CLKBP GND DDCPCLK

Order Information:

PN#	VGA	24bit TTL	18bit LVDS	AC'97	USB 2.0	Serial	LAN
NORCO-2680ALE	√	√	--	√	4	4	1
NORCO-2680ALE-1	√	--	√	√	4	4	1