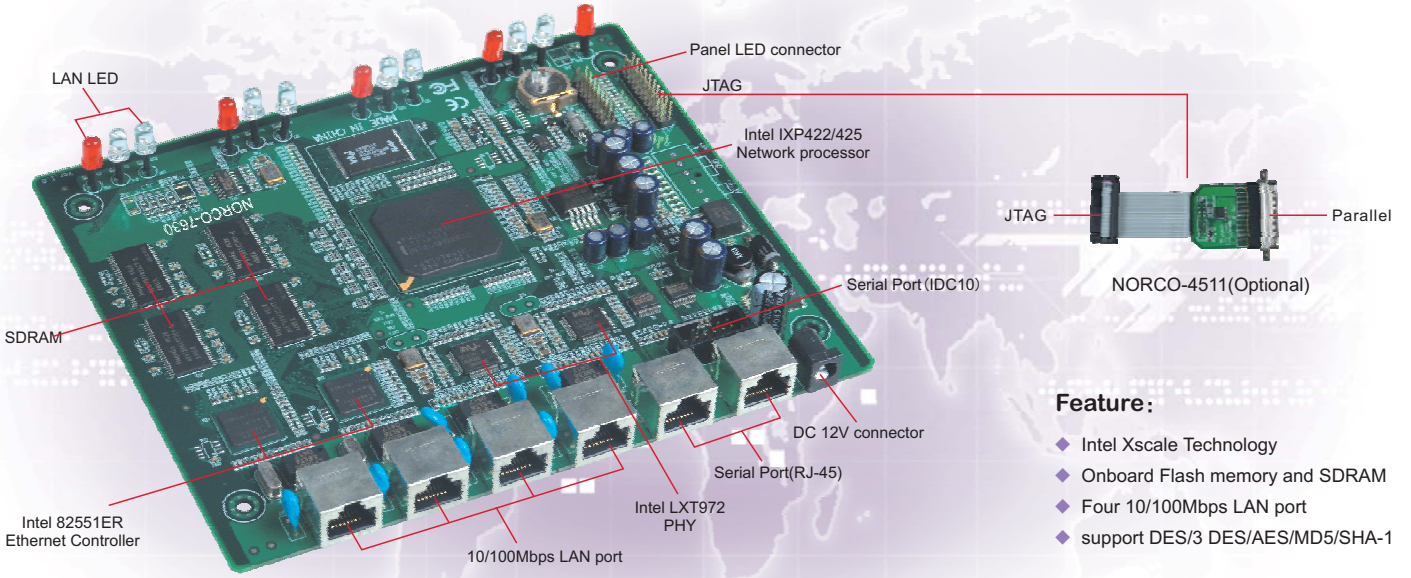
NORCO-7630

Intel IXP42x Network Processor/Four 10/100Mbps



Feature:

- Intel Xscale Technology
- Onboard Flash memory and SDRAM
- Four 10/100Mbps LAN port
- support DES/3 DES/AES/MD5/SHA-1

Barebone

Description

The NORCO-7630 is a compact yet powerful Internet security platform that is specifically designed for secure Internet connectivity. It is suitable for SOHO (Small Office, Home Office), SMB (Small Medium Business), and ROBO (Remote Office, Branch Office) segments. Designed with the Intel® IXP42x series network processor, it offers low power consumption and high performance, meeting Internet security appliance requirements. In addition, the NORCO-7630 can support onboard system memory up to 128MB SDRAM. Designed with the Plug-and-Serve concept in mind, the 7630 offers four 10/100 Mbps auto-sensing Fast Ethernet ports in the back panel. There are LED indicators on the front panel display which monitor power status, LAN activities and LAN links. For easy access, the back panel has a RJ45, RS-232 serial port for local system management, maintenance and diagnostics. It is FCC and CE compliant.

Specificaton

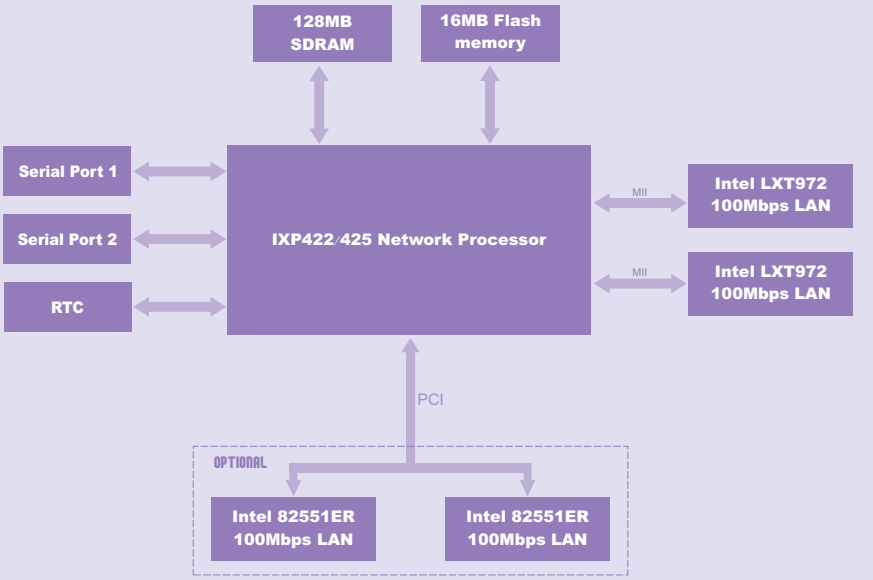
Main	Processor	Intel IXP422/425 Network processor器 (Frequency: IXP422-266MHz, IXP425-266/400/533MHz)
	Flash Memory	8MB Flash Memory, Max. Up to 16MB
	System Memory	PC133-SDRAM, Max. Up to 128MB
	Battery	3V
I/O	USB	N/A
	Serial Port	2 ; One for high speed UART, transfer speed from 1.2kps to 921kps One for low speed URAT, transfer spped from 1.2kps to 231kps
Network	Controller	2 * LXT972 (MII bus) /2 * 82551ER (PCI bus)
	Speed	10/100Mbps
	Interface	RJ-45 ×4
Other	Power supply	DC 12V (5~28V)
	Size	180mm×152.5mm
	Operate Environment	0℃～60℃(T)， 5% ～95% (H)

All product specifications are subject to change without notice

NORCO-7630

Intel IXP42x Network Processor/Four 10/100Mbps

Block Diagram:

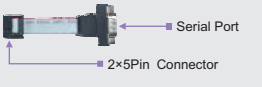


Panel LED Connector(J8)	Define:							
15 1 16 2	1	3	5	7	9	11	13	15
	VCC3	LAN1-LINK	LAN1-ACT	LAN1-SPEED	LAN3-LINK	LAN3-ACT	LAN3-SPEED	GND
	2	4	6	8	10	12	14	16
	VCC3	LAN2-LINK	LAN2-ACT	LAN1-SPEED	LAN4-LINK	LAN4-ACT	LAN4-SPEED	GND

JTAG Port(J12)	Define:									
11 20 1 10	1	3	5	7	9	11	13	15	17	19
	3.3V	TRST#	TDI	TMS	TCK	GND	TDO	SRST#	NC	NC
	2	4	6	8	10	12	14	16	18	20
	3.3V	GND	GND	GND	GND	GND	GND	GND	GND	GND

Accessoires:

Article	Qty	Article	Qty
Manual	1pcs	Serial Convert Cable	2pcs
Drive CD	1pcs	JTAG cable	1pcs

Serial Convert Cable(RJ-45 to DB9)	Serial Convert Cable
	

Order Information:

Model	Intel 82551ER LAN	Intel LXT972 LAN	CPU	System memory	Flash memory	Serial Port
NORCO-7630-R1	--	2	Intel IXP 422	128MB	8MB	2
NORCO-7630-E3-R1	1	2	Intel IXP 422	128MB	8MB	2
NORCO-7630-E4-R1	2	2	Intel IXP 422	128MB	8MB	2

Notes: 1、upgrade to Intel IXP 425BD-533MHz (PN#: NORCO-7630-Ex-R1-P2)
2、upgrade Flash memory to 16MB (PN#: NORCO-7630-R1-F2)
3、Reduce SDRAM to 64MB (PN#: NORCO-7630-Ex-R2)