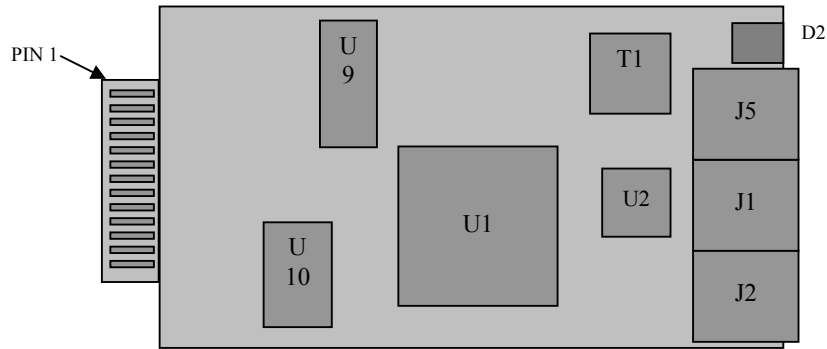# XPRT SNMP Card Specifications
Model # SNMP1

Hardware Specification

:: CPU
  SAMSUNG S3C4510B 16/32-bit RISC microcontroller
:: Memroy
  Flash Memory – 16Mbits
  SDRAM – 128Mbits
:: Ethernet Connector
  10 / 100 BaseT RJ-45, auto switch.
:: Power Input and Consumption
  12V DC regulated , power consumption under 3 watts.
:: Size
  118mm(L) x 89mm(W) x 23mm(H)
:: Network Interface
  UTP Fast Ethernet 10/100BastT RJ-45, auto-sense
:: Display
  Power, Diagnostic, TxD and RxD LEDs
:: Serial Port
  Two high speed RS-232 ports. one used as a console port or connected to a MODEM
  allowing PPP dial-in and paging, another is golden finger type serial port and connected to
  UPS.
:: Extension Port
  Connected to an extented device such as envirnment measurement through I2C.
:: Real Time Clock
  Time can be adjusted by SNTP.
:: Firmware Upgradeable
  Upgrades firmware via a web browser or TFTP.
:: Telnet Management
  Allows management via telnet.
:: SNMP Network Management
  Supports both SNMP v1 and v2. Supports RFC 1213 (MIB-II), RFC 1628 (UPS MIB) , and
  private UPS extension MIB. Compatible with any standard SNMP NMS such as HP
  OpenView, IBM NetView…
:: Web Network Management
  Supports HTTP 1.0 protocol. Combined with HTML, JavaScript and Java Applet.
:: Setup/Configuration
  Allows setup via telnet or console.
:: Operating Enviornment
  0 to 60 degree C

U1 : S3C4510B – Samsung 16/32 bits MCU
U2 : Altima AC101 or AM79C874 – Ethernet Transceiver
U9 : K4S281632D – 128Mbit SDRAM
U10 : MX29LV160T – Flash Memory
J1:   10/100BaseT RJ-45 Phone Jack
J2:   Modem or console port
J5:   Extension Port
D2:   Power / Diagnostic, Network Tx/Rx LEDs

Golden Finger pin assignment description -

PIN	Name	Description
1	GND	+12V GND
2	+12V	+12V Power
3	RXDUPS	Connect to UPS Rx signal
4	TXDUPS	Connect to UPS Tx signal
5	Not used	
6	Not used	
7	Not used	
8	SNMPSIG	SNMP Card Detect, Connect to pin-10
9	GND	+12V GND
10	+VCC	Provided by UPS

J2 pin assignment description -

Pin	Signal Name	Type
1	Not used	--
2	Receive (Rx)	In
3	Transmit (Tx)	Out
4	Data Terminal Ready	Out
5	Signal Ground (GND)	Power
6	Data Set Ready (DSR)	In
7	Not used	
8	Not used	

J5 pin assignment description -

Pin	Signal Name	Type
1	Not used	--
2	Not used	--
3	Not used	--
4	Not used	--
5	Not used	--
6	GND	Power
7	I2C SCL	Out
8	I2C SDA	In/Out