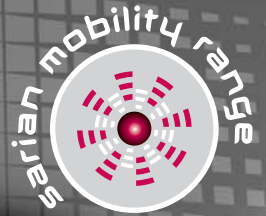


# HR4420

## HSDPA ROUTER

WITH OPTIONAL HSUPA, PSTN OR ISDN



# superfast flexibility



ULTRA HIGH SPEED 'SUPER 3G' MULTIPOINT ROUTER

### PRODUCT INFORMATION

#### HR4420 HSDPA MULTIPOINT ROUTER

The HR4420 provides an ultra high speed wireless WAN solution with vast scalability supported by four built in 10/100BaseT VLAN Switch ports and two serial ports.

An internal wireless modem provides GPRS, EDGE, 3G, HSDPA (and optional HSUPA) capability enabling incredible wireless communications speeds via a mobile network operator. Sarian's unique dual SIM technology ensures that a second network can take over automatically if the primary fails.

A unique feature of the HR4420 is the ability to have either an ISDN or PSTN (analogue) modem integrated within the unit which can act as inbound or outbound interfaces.

#### PRODUCT FEATURES

- HSDPA / 3G UMTS / EDGE / GPRS
- OPTIONAL HSUPA COMPATIBILITY
- OPTIONAL PSTN OR ISDN NETWORK COMPATIBILITY
- 2 X USB EXPANSION PORTS
- FRONT PANEL SIGNAL INDICATOR
- EMBEDDED TCP/IP STACK WITH VPN SUPPORT
- POWERFUL, END USER PROGRAMMING LANGUAGE
- TOUGH METAL CASE
- DIN RAIL MOUNT
- 2 X 25-WAY SERIAL PORTS

#### PRODUCT BENEFITS

- INCREDIBLE HIGH SPEED (UP TO 7.2MB/S) WITH
- OPTIONAL PSTN OR ISDN BACK UP
- OPTIONAL HIGH SPEED UPLINK (UP TO 2.0MB/S) WITH HSUPA
- PROVEN SAR/OS ROUTING ARCHITECTURE
- DUAL SIM PORTS PROVIDE FAILSAFE BACKUP

#### APPLICATIONS

- ATM MACHINES
- EPOS / POINT OF SALE SYSTEMS
- LOTTERY / GAMING TERMINALS
- TELEMETRY
- ADSL LINE SUBSTITUTE / BACKUP
- SURVEILLANCE APPLICATIONS

# HR4420



### MAIN APPLICATIONS

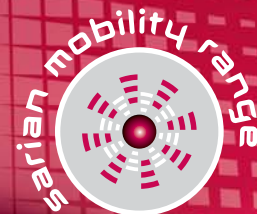


**SARIAN  
SYSTEMS**

# HR4420

## HSDPA ROUTER

WITH OPTIONAL PSTN OR ISDN



### HARDWARE SPECIFICATION

#### DESCRIPTION

**HSDPA (WAN)**

**OPTIONAL HSUPA (WAN)**

**OPTIONAL (WAN)**

**OPTIONAL (WAN)**

**LAN**

**SERIAL**

**ANTENNA**

**CASE MATERIAL**

**POWER**

**TEMPERATURE**

**SIZE / WEIGHT**

#### PRODUCT SPECIFICATION

TRI-BAND HSDPA/UMTS - 850\*\* / 1900 / 2100 MHz / QUAD-BAND EDGE/GPRS - 850/900/1800/1900 MHz (\*\* 850, BAND 5, INCLUDES 800, BAND 6 - JAPAN)

GPRS & EDGE 850/900/1800/1900 MHz / UMTS 3G & HSUPA 850/1900/2100 MHz

ISDN 50 BRI INTERFACE Q.931 1.430

V.92 FAST TRAIN MODEM RJ11 OR BT JACK

ETHERNET 10/100MB/S FOUR PORT SWITCH WITH AUTO MDI/MDI-X

25 PIN RS.232 ASYNC / SYNC UP TO 400KBPS

DUAL BAND GSM - 50Ω SMA

POWDER COATED PRESSED STEEL

110-240VAC 50-60HZ 250mA (USB NOT OPERATING)

-20°C TO +55°C OPERATING

190mm x 142mm x 45mm 770g

### OPTIONAL HARDWARE

#### ORDERING CODE

**91-HR4420-SS\*\*-00**

**5600-0017**

**5600-0006**

**5600-0007**

**5600-0005**

**4800-0002**

#### OPTIONAL EQUIPMENT DESCRIPTION

HR4420 MAIN UNIT (\*\* IS EITHER UK / EU)

HSUPA OPTION

PSTN (EU OPTION)

PSTN (UK OPTION)

ISDN OPTION

SIM SECURITY KIT

### SOFTWARE SPECIFICATION

#### DESCRIPTION

**MANAGEMENT**

**IP ROUTING**

**PROTOCOL SWITCHING**

**SYNC TUNNELLING**

**RATE ADAPTION**

**SECURITY**

**X.25 / ON-LINE  
AUTHORISATION**

**PROGRAMMING**

**NETWORK FEATURES**

#### PRODUCT SPECIFICATION

FTP • HTTP • SMTP • SNMP • SSH • TELNET • COMPATIBLE WITH SARIAN REMOTEMANAGER SYSTEM

GRE • PPP • RIP • OSPF • SRI™ • VRRP+ • VLANS • BGP

TCP • SSL • X.25 • LAPB • LAPD • SNAIP

LAPB • RAW • SNA

V.120 • X.75 • V.110 • "DIRECT SYNC" (HDLC OVER ISDN)

IPSEC (5 TUNNELS INCLUDED) DES • 3DES • AES • SSL • SSH

TPAD • APACS30 • ISO8583 • X.25 • X.28 PAD • X.29 • X.21 • XOT • VXN • SSL

SCRIPTBASIC INTERPRETER WITH USER EXTENSIBLE LIBRARIES & CONTROL OVER MAIN FUNCTIONS SUCH AS SMS, MEMORY, SERIAL PORTS OR OTHER LOCAL DEVICES.

DYNAMIC DNS TO ENABLE USE WITH DYNAMIC NETWORK ADDRESSES • DETECTION OF NETWORK PROBLEMS & AUTOMATIC FAILOVER TO SECOND MOBILE NETWORK • STANDBY APN.

### OPTIONAL SOFTWARE

#### ORDERING CODE

**6600-000\***

**6120-0007**

#### OPTIONAL EQUIPMENT DESCRIPTION

REMOTEMANAGER SYSTEM (VARIOUS OPTIONS AVAILABLE)

5 ADDITIONAL IPSEC TUNNELS (MAXIMUM OF 50)

CALL US NOW ON: **+44 (0) 1943 605 055** OR FAX: **+44 (0) 1943 605 056**

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