SAI TECH®

CR14AL-3G : DATASHEET AND SPECIFICATIONS

CR14AL-3G CLOUD ROUTER : DATA Communication over Secured Cloud Services

The **CR14AL-3G** is a general purpose "3G CLOUD ROUTER" for Fixed & Mobile Network devices such as CCTV, Finger Scan and other *"Internet Of Things"* devices. It is designed for ease of use with zero configuration (plug & play - no additional setup required). It comes with the built-in *"cloud services"* function for CCTV and Finger scan and the other network devices Data Communications. With the full advanced function it could monitor any network devices and send alert through Email and Database including to Auto-Recycling the power of the devices.

The **CR14AL-3G** comes with the secured encryption and multi-WAN link redundancy. So, it can use any Internet media (3G/ 4G, ADSL, FTTX, Satellite etc.) to carry data without interruptions

Product Details

CPU	:	400MHz Processor
Memory	:	32 MB DDR SDRAM onboard memory
Ethernet	:	5 x 10/100 Mbit/s Ethernet port with Auto-MDI/X
WAN / LAN	:	1 WAN Port, 4 LAN Ports
Radio Band	:	Built-in 3G 900/2100 Mhz , DL=7.2 Mbps UL= 5.6Mbps
WIFI	:	802.11 B/G/N @2.4 GHZ
CPU	:	AR7241 NETWORK PROCESSOR
CPU Core Count	:	1
Protocols	:	TCP/IP, UDP, ICMP, HTTP, SSH, etc.
CASE	:	Aluminium Case
Operating System	:	Embedded Linux
LEDs	:	Power, NAND activity, 5 user LEDs
Power options	:	Power over Ethernet: 12—24 DC (except power over data lines). Power jack: 12 - 24V DC
Dimensions	:	Height=42mm, Width=147 mm, Dept=152 mm, Weight:600g.
Max Power	:	17 Watt
Operating System	:	Embedded Linux
FAN	:	NO
Data storage	:	64MB NAND memory chip

ROUTER FUNCTIONS

- Built-in CLOUD SERVICES for CCTV & Internet of things Devices
- RIP , OSPF & BGP protocols
- WIFI HOTSPOT
- Unlimited EoIP tunnels
- Built-In 3G Modem (900/2100 Mhz)
- L2TP and OpenVPN tunnels
- Unlimited VLAN interfaces
- P2P firewall and NAT rules
- Wireless client and bridge
- WAN Interface & 3G Redundancy
- Network Devices Monitoring (Optional)

Network Connection Diagram

S.A.I SECURED CLOUD SERVICE NETWORK

S.A.I Cloud SERVICES

FLEETS – LOGISTICS & MOBILE UNIT

Mobile Users

REMOTE SITES / BRANCH OFFICES

OFFICE / CONTROL CENTER

CCTV , POS , Finger Scan, Temp. Controller, Particle Clounter , Network Control Devices.. Etc.

- Domestic Cloud Services | • High Reliability | • Site to Site & Remote to Site Connections | • 4G / 3G / 2G, WIFI, ADSL, FTTX Supported
- Remote File Transfer | • Two ways Communications | • Mobile File Transfer | • DATA Encryption | • Finger Scan & CCTV supported | etc.