



*SunComm*

SunComm Technology Co., Ltd

## **SC-2072-4GW 4G LTE WIFI Router with 1WAN +4 LAN, 2 FXS, WIFI 2.4GHz + 5.0GHz**



The **SC-2072-4GW 4G WIFI ATA** includes extended functions which support SFP port, USB port, and 2 FXS ports. This design is not only provide users with a conventional VoIP and routing capabilities. Users can also take **SC-2072-4GW** as a FTP server to share LAN files, pictures and other resources. Meanwhile, SFP for internet access, 2 FXS ports can be well adapted to small and micro enterprises, 1FXS for telephone, 1FXS for Fax, no need to add additional equipment.

**SC-2072-4GW** supports IEEE802.11ac gigabit wireless LAN standard, the highest wireless speed is up to 867Mbps and it supports both 2.4GHz and 5GHz bands. For VoIP end user, 5G band can make sure less interference and the transmission quality. The more, users can enjoy greater bandwidth, and enhanced data throughput. **SC-2072-4GW** is ideally suited for small and medium enterprises (SMB) to build wireless office.

<b>Operating System</b>	<ul style="list-style-type: none"> <li>◆ Linux 2.6.36</li> </ul>
<b>LTE Features</b>	<ul style="list-style-type: none"> <li>◆ Four-Band TDD-LTE B38/B39/B40/B41</li> <li>◆ Three-Band FDD-LTE B1/B3/B8</li> <li>◆ Dual-Band TD-SCDMA B34/B39</li> <li>◆ Dual-Band UMTS/HSDPA/HSPA+ B1/B8</li> <li>◆ GSM/GPRS/EDGE 900/1800 MHz</li> <li>◆ Uplink up to 50Mbps</li> <li>◆ Downlink up to 100Mbps</li> <li>◆ 2G/3G fallback</li> </ul>
<b>I/O Interfaces</b>	<ul style="list-style-type: none"> <li>◆ 1 x RJ-45 for WAN port (Ethernet 1000 Base-T)</li> <li>◆ 4 x RJ-45 for LAN port (Ethernet 1000 Base-T)</li> <li>◆ 2 x RJ-11 for FXS port</li> <li>◆ 1 USB 2.0 Host Ports</li> <li>◆ 1 SIM card port</li> <li>◆ 1 Combo SFP port</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>◆ Operation Temperature: 0~50 Degree C</li> <li>◆ Storage Temperature: -25~ 85 Degree C</li> <li>◆ Relative Humidity: 10%~90% No Condensing</li> </ul>
<b>Key Feature</b>	<ul style="list-style-type: none"> <li>◆ Support 1000Mbps HNAT</li> <li>◆ 2T2R 2.4G 802.11 b/g/n (300 Mbps)</li> <li>◆ 2T2R 5G 802.11ac (867Mbps)</li> <li>◆ Support VoIP FXS port with SIP and T.38 FAX</li> <li>◆ External Antenna for LTE and WIFI</li> </ul>
<b>SFP feature</b>	<ul style="list-style-type: none"> <li>◆ Speed: GE</li> <li>◆ Interface type: LC</li> <li>◆ Module spec: Single Module</li> <li>◆ Core: Double core&amp; single core</li> </ul>
<b>Audio Codec</b>	<ul style="list-style-type: none"> <li>◆ G.711(A/u), PESQ&gt;4.3</li> <li>◆ G.729AB, PESQ&gt;3.7</li> <li>◆ Adaptive Jitter Buffer Management</li> <li>◆ Voice Activity Detection</li> <li>◆ Comfort Noise Generation</li> <li>◆ Echo Cancellation</li> <li>◆ T.30 FAX with G.711</li> <li>◆ Real time <u>FAX over IP</u> via T.38</li> </ul>

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## Protocols

- ◆ SIP V2.0 (RFC 3261, 3262, 3263, 3264)
- ◆ SDP (RFC2327)
- ◆ RTP/RTCP (RFC823/903)
- ◆ NAPTR for SIP URI lookup (RFC2915)
- ◆ STUN (RFC2030)
- ◆ ARP/RARP (RFC 826/903)
- ◆ SNTP (RFC 2030)
- ◆ DHCP/PPPoE
- ◆ HTTP Server for Web Management
- ◆ TFTP/HTTP for Auto Provisioning
- ◆ Message Waiting Indicator (RFC3842)
- ◆ DHCP Option Codes for SIP (RFC3361)
- ◆ DNS/DNS SRV (RFC1706 and RFC 2782)
- ◆ IEEE802.1Q VLAN/802.1p and IP DSCP

## Wireless

- ◆ 802.11 b/g/n support
- ◆ 4 SSID
- ◆ Static WEP(64/128bit)
- ◆ Dynamic WEP(64/128bit)
- ◆ AES(CCMP/TKIP)
- ◆ MAC certification
- ◆ WEP certification
- ◆ WPA-PAK/WPA-PSK(2.0)
- ◆ WPA/WPA2
- ◆ AP Isolation and MBSSID AP Isolation
- ◆ WMM
- ◆ WDS
- ◆ WPS
- ◆ Station list
- ◆ Radius certification and billing
- ◆ MAC Filter(different from wired MAC Filter)

## Applications

- ◆ Support LTE(just for SC-2072-4GW)
- ◆ Support NAT mode and Bridge mode
- ◆ Support DDNS
- ◆ MAC address cloning
- ◆ SIP proxy redundancy
- ◆ NAT Traversal by STUN
- ◆ Built-in Wired speed NAT Router
- ◆ DHCP Server and Client
- ◆ IP conflict detection
- ◆ Port Forwarding, DMZ, SuperDMZ
- ◆ 802.1Q VLAN/802.1p, DSCP, Rate Limiting
- ◆ VPN(PPTP,L2TP, IPSec) Passthrough
- ◆ SNTP
- ◆ IGMPv2
- ◆ Firewall (SYN Flooding, IP Spoofing, Smurf Attack, Ping of Death, DoS)

## Management

- ◆ TR069
  - ◆ Firmware Upgrade
  - ◆ Web Management Interface
  - ◆ IVR-driven Management Interface
  - ◆ Local and Remote Syslog (RFC3164)
  - ◆ Auto Provisioning
  - ◆ SNTP Time Synchronization
  - ◆ Multi User Level
  - ◆ SNMP v2
  - ◆ Telnet
  - ◆ System Log: local log and remote log
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<b>Call Features</b>	<ul style="list-style-type: none"> <li>◆ 3-way conference</li> <li>◆ Call hold</li> <li>◆ Call forwarding</li> <li>◆ Call Transfer</li> <li>◆ Call waiting</li> <li>◆ Caller ID and CWCID</li> <li>◆ DTMF Relay: In-band, Out-band and SIP INFO</li> <li>◆ QoS Layer 3</li> <li>◆ Call Log</li> <li>◆ CID/CWCID</li> <li>◆ Dial Plan</li> <li>◆ DTMF Mode: Inband, RFC2833 and SIP Info</li> </ul>
<b>Flash</b>	◆ 16MB Flash
<b>RAM</b>	◆ 128MB DDR2 RAM
<b>VoIP SoC</b>	◆ CPU: MIPS Single-core 600MHz
<b>Power</b>	<ul style="list-style-type: none"> <li>◆ AC/DC Adapter</li> <li>◆ AC Input: 100~240V, 50~60Hz</li> <li>◆ DC Output: 12V, 2A</li> </ul>
<b>Size And Weight</b>	<ul style="list-style-type: none"> <li>◆ 188mm(L)x155mm(W)x29mm(H)</li> <li>◆ 331g(N.W)</li> </ul>

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