

## secure, control, monitor and extend SIP applications and services

### Covergence makes real-time a reality



*The Covergence CXC-354 is a compact, high performance solution for securing and managing real-time communication and collaboration applications and services based on the Session Initiation Protocol (SIP).*

#### **Comprehensive**

Covergence CXC-354 is a compact, high performance hardware platform for the Covergence Session Management software. Deployed at the edge or in the core of the network, the CXC-354, together with the Covergence software, provides comprehensive session management capabilities for applications and services based on the Session Initiation Protocol (SIP). The Covergence system serves as a single point of security, control, routing, load balancing, monitoring, recording, and interoperability for Voice over IP and other real-time services.

Session management policies can be configured onto the system interactively (via command line and web based management interfaces) or provisioned programmatically from an external server over a standards based Web Services interface. The Covergence system can also be configured to request session policies from an external server over the Web Services interface dynamically, enabling the external server to make complex session management policy decisions and to render those decisions to the Covergence system for enforcement.

#### **Reliable**

Like all Covergence Session Management systems, the CXC-354 includes integrated clustering technology that enables customers to scale performance and reliability up to carrier-class levels simply by adding systems to the cluster. The Covergence clustering technology supports N+1 high availability, call state synchronization, network interface redundancy, signaling and media load distribution, health monitoring and automatic failover so that in-progress calls are preserved across failures.

#### **High-Performance**

The Covergence Session Management software running on the CXC-354 was architected, designed and optimized for applying session management policies to SIP based signaling and media sessions without sacrificing performance or degrading quality of service. The software architecture includes a stateful signaling proxy and a kernel based media proxy designed to maximize concurrent call capacity and minimize jitter, latency and loss.

The CXC-354 hardware platform takes advantage of the latest advances in processor technology and system design, utilizing dual high speed, quad-core Intel® Xeon® CPUs, fast memory and a high performance bus architecture for maximum performance.

#### **Complete and Ready to Deploy**

When ordered in conjunction with the Covergence Session Management software, the CXC-354 gives customers a complete SIP session management solution.

## Covergence CXC-354 specifications

System	
<b>Processors</b>	Two Quad-Core Intel® Xeon® processors
<b>Memory</b>	8 GB DDR2 SDRAM
<b>Storage</b>	750 GB non-redundant hard disk storage
<b>Network Interfaces</b>	6 x 10/100/1000BaseTX (RJ-45) Ethernet ports as standard
<b>Console Ports</b>	1 x RJ45 Serial B, 1 x PS/2 for keyboard, 2 x 15-pin VGA
<b>Power Supply</b>	Single 600W; 100-127/200-240 VAC, 6.5/3.2A, 43-67 Hz, auto-ranging
<b>Power and Heat Dissipation</b>	CXC-350 with dual Ethernet cards (6 ports): 540W input (worst case); 1843 BTUs

Physical and Environmental	
<b>Ambient Temperature</b>	Operating: +10°C to +35°C (+50°F to +95°F); non-operating: -40°C to +70°C (-40°F to +158°F)
<b>Relative Humidity</b>	95% @ +30°C (86°F) non-condensing
<b>Altitude</b>	10,000 feet (3,048 meters)
<b>Dimensions</b>	1U, 19" rack-mountable unit; Height 1.7", Width 16.93", Depth 26.46" (4.3 cm x 43.0 cm x 67.2 cm)
<b>Weight</b>	30 lbs (13.6 kg)
<b>Cooling</b>	Five fans mounted in tool-less fan module to support cooling for processors, hard drives and add-in cards. Two fans for power supply cooling. All fans monitored and instrumented to provide RPM data for fan-failure prediction and detection.

Certifications and Regulatory Compliance	
<b>Safety Certifications</b>	UL60950 / CSA 60950 (USA / Canada); EN60950 (Europe); IEC60950, CB Certificate & Report (International) ; GS License (Germany) ; GOST R 50377-92 License (Russia); Belarus License ; Ukraine License; CE – Low Voltage Directive 73/23/EEE (Europe); IRAM Certification (Argentina); GB4943 – CNCA Certification (China)
<b>EMC Compliance (Class A)</b>	FCC / ICES-003 - Emissions (USA/Canada) Verification; CISPR 22 – Emissions (International); EN55022 - Emissions (Europe); EN55024 - Immunity (Europe); EN61000-3-2 - Harmonics (Europe); EN61000-3-3 - Voltage Flicker (Europe); CE – EMC Directive 89/336/EEC (Europe); VCCI Emissions (Japan); AS/NZS 3548 Emissions (Australia / New Zealand); BSMI CNS13438 Emissions (Taiwan); GOST R 29216-91 Emissions (Russia); GOST R 50628-95 Immunity (Russia); Belarus License; Ukraine License; RRL MIC Notice No. 1997-41 (EMC) & 1997-42 (EMI) (Korea); GB 9254 - CNCA Certification (China); GB 17625 - Harmonics CNCA Certification (China)
<b>Notices, Certifications, Registrations and Declarations</b>	FCC Part 15 Compatibility Notice (USA); UL Certification (US/Canada); CE Declaration of Conformity (CENELEC Europe); FCC/ICES-003 Class A Attestation (USA/Canada); VCCI Certification (Japan); C-Tick Declaration of Conformity (Australia); MED Declaration of Conformity (New Zealand); BSMI Certification (Taiwan); GOST R Certification / License (Russia); Belarus Certification / License (Belarus); RRL Certification (Korea); IRAM Certification (Argentina); CNCA Certification (China); Ecology Declaration (International)
<b>Regulatory Compliance Markings</b>	cULus Listing Marks USA/Canada; GS Mark Germany; CE Mark Europe; FCC Marking (Class A) USA; EMC Marking (Class A) Canada; VCCI Marking (Class A) Japan; BSMI Certification Number & Class A Warning Taiwan; GOST R Marking Russia; RRL MIC Mark Korea; China Compulsory Certification Mark; China

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