Creative CIP 5000
Business IP PBX

Audio Conference

GSM

Voicemail

Media Gateway

IVR

INNOVATION

IPv6

Gigabit Ethernet

SIP Trunk

Optical Port

SIP Extensions

Advance Features
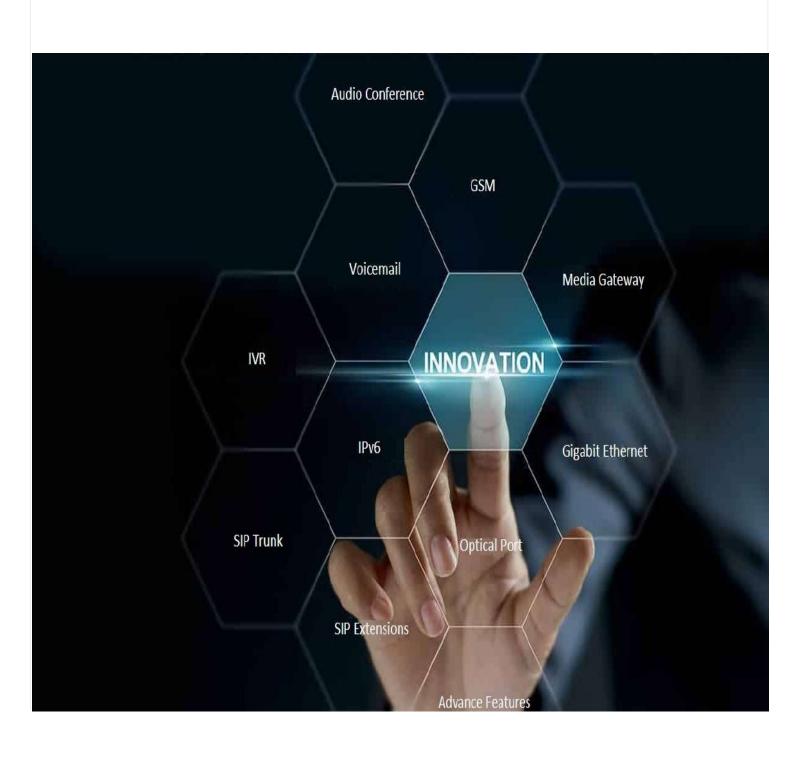
Creative CIP 5000

Creative CIP 5000 is a versatile hardware that can function as a standalone IP-PBX with SIP switching at its core or it can work as a media gateway when registered to a central Soft-switch. Each standalone box supports multiple protocols for ease of operations. It is designed with IMS architecture in mind yet can provide all the enterprise features in a standalone mode. It can further cascade for seamless connectivity with adjacent similar switches in a network thus providing immense amount of resilience.

Creative CIP 5000 offers connectivity to all legacy and next generation telecom networks right from POTS, PSTN, ISDN, E1/PRI to GSM to IP, in a single box. It provides easy migration from legacy systems to current and new-age IP based infrastructure. Innovative, reliable and scalable, the Creative CIP 5000 integrates voice, video and are loaded with business-enhancing features such as Unified Communications with integrated Voice Mail, Contact Center etc.

Functionality
- SIP Standard
- IPv6 Ready
- Redundancy of CPU & Power Supply
- Matured Call & In Progress Call recovery in HA mode
- Inbuilt SIP Registrar
- Heart-beat Functionality
- Dual Gigabit Ethernet Port
- Link/Network Redundancy
- Support Proprietary Digital Key Phone's
- Multi-protocol Support
- Supports multiple type of TDM interfaces (FXS/FXO/ENM/E1/PRI/GSM/RADIO)
- Self - Survivability for Analog, Digital & IP Phones
- Modular architecture for easy scalability
- Toll grade voice compression
- Echo cancellation, Jitter Buffer, VAD and CNG
- Complies with latest version (RFC3261) SIP protocols
- Enhanced capabilities which include MWI, metering tones
- Best suitable for SIP based hosted communications and centralized IP-PBX applications.
- Easy configuration and installation
- Supports all standards telephony features such as Call Hold, Call Transfer, Message Wait Lamp, Call Waiting, do not disturb, Caller Id presentation, Conference, Hotline, etc.
- 19" Rack Mountable Design

Technical Specifications

Design Architecture

Architecture	: Universal Slot
Interface Support	: Hybrid
Survivability	: Self-Survival
Port Capacity	: 512 Ports

Interface Characteristics

FXS Interface

Configuration	: 8/16/32 Ports
Line Voltage	: 48 Volt
Dialing	: DTMF (As per ITU-TQ. 23) Decadic (10/20 PPS)
Caller Id	: DTMF (As per ITU-T Q.23)
	: FSK (Bellcore 202)
Loop Resistance	: 3000 Ohm
Open loop resistance	: >10K
Ringing Voltage	: 75 V AC + 10 %, 20-25 Hz

Physical Interface

: 8 Port - RJ45
: 16/32 Port - Telcom Connector

FXO/CO Interface

Configuration	: 8 Ports
Open Loop resistance	: >10K Ohm
CLI Detection	: DTMF CLI (ITU-T Q.23) Ring
Voltage Detection	: 15 V RMS minimum Physical
Interface	: Universal Telco Connector
Termination impedance	: 600 Ohm
Physical Interface	: RJ45

Universal Digital Trunk Interface

PRI

ITU Standard	: ITU G.703
Frame Structure	: ITU-T G.704, G.732
Signaling	: ISDN PRI CCS (Q.931)
Line Coding	: AMI

E1

Bit Rate	: 2048 Kbps
Signaling	: CAS
Line Coding	: HDB3
Physical Interface	: RJ-45

DCC - Digital Communication Card

Configuration	: 8 Ports
Line Voltage	: 48 Volt
Channel Capacity	: 2B+D
Transmission Rate	: 144 Kbps
Physical Interface	: RJ-45

Redundancy*   Ethernet
CPU, PSU &

VoIP Characteristics

SIP	: RFC3261, RFC3264, RFC 3265
	: RFC 3515 (REFER), RFC3435 (MGCP)
	: RFC 2782 (DNS SRV), RFC 3428 (IM)
SDP	: RFC 2327
RTP / RTCP	: RFC 3350
Jitter	: Adaptive Jitter buffer
SIP DTMF Signaling	: RFC2833
	: SIP INFO
	: DTMF – In-band audio tone
Conference	: Supported
Codecs Supported	: G.711A/PCMA, G.711U/PCMU
	: G.723, G.726, G.729, GSM, iLBC
FAX Support	: T.38

Network Protocols

Protocol Supported	: IP (IPv4/IPv6), HTTP, HTTPS, Telnet, : SSH, TFTP, VLAN (802.1Q), SNMP

Management and Security Features

Management Port	: Through Ethernet interface
	: 1 x RS232
	: Built-In Command line interface
Backup & Restore	: TFTP
Access Security	: User / password protected
	: secured shell (SSH) access
	: multiple level login to MGW
Interface Cards	: Hot Swappable
Tones Generation	: Inbuilt in Gateway
Music on Hold	: Local & Remote

Physical Interface

Serial Interface	: 1*RS232 Port
Ethernet Interface	: 2 Nos 10/100/1000 Mbps with link redundancy

Environmental Specifications

Operating Temperature	: 0°C to 45°C
Storage Temperature	: -10 °C to +70 °C
Relative Humidity	: Up to 95% Non-Condensing

Electrical Characteristics

AC Power operation	: 220 VAC/50Hz
DC Power operation	: -48 V DC
Power consumption	: 0.8 W / Port (max)

Physical Characteristics

Form Factor	19" Rack Mountable

*Due to continuous R&D for product enhancement or product/service stability or features up gradation, product specification/look & feel can be changed without prior information.
* Optional