

UC-FRONT

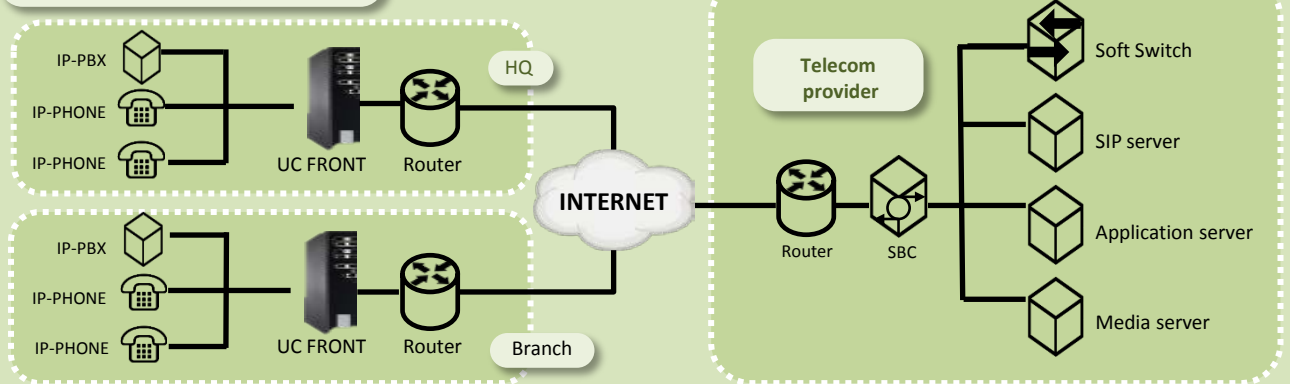
VoIP Session Border Control Solution

Overview

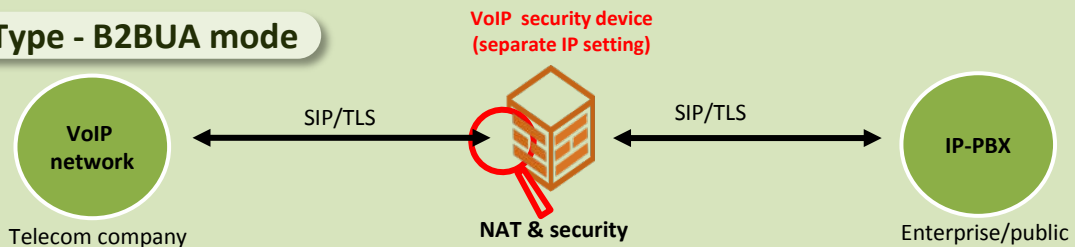
- High performance hardware-solid type based on NPU(Network Processing Unit) dedicated for VoIP
- VoIP security solution to protect from eavesdropping, internet spam call, session hijacking, misuse of service and DoS/DDoS
- Two types of model by activation method(SBC & IPS types) and can select with network environment
- SBC type acts by B2BUA(Back-to-Back User Agent) mode and IPS type by transparent mode

Configurations

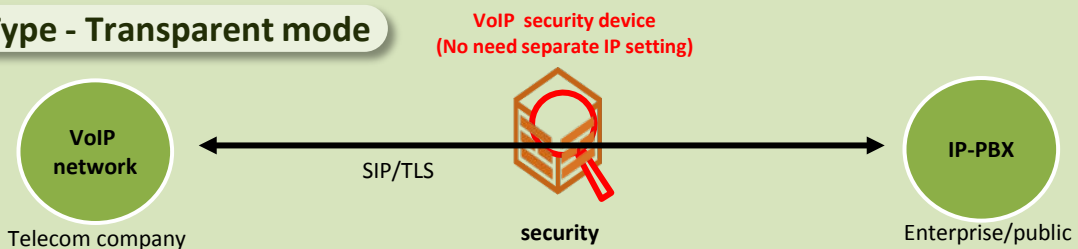
General Configuration



SBC Type - B2BUA mode



IPS Type - Transparent mode



Functions

- Lower voice packet processing time(less than 50µs) thru Octeon NPU
- Built-in high performance encryption coprocessor
- NAT, NAT traversal function(SBC type)
- No delay packet processing time with distributed processing architecture for SIP/TLS/RTP
- Detect of illegal international call by policy setting
- Various capacities by # of concurrent call/user

Features

	IPS Type	SBC Type
Network	<ul style="list-style-type: none"> • In-line configuration w/o IP change for IP-PBX/IP-phone • Bypass feature as power failure 	<ul style="list-style-type: none"> • Separately IP set-up • Security feature between terminals • Address change/control feature between terminals • Call processing
Duplication	<ul style="list-style-type: none"> • Used to configure single with Bypass feature 	<ul style="list-style-type: none"> • Default dual configuration for call processing
Encryption Interface	<ul style="list-style-type: none"> • No service between encryption and non-encryption communication 	<ul style="list-style-type: none"> • Service between encryption and non-encryption communication
NAT	NO	NAT, NAT Traversal
Cost	<ul style="list-style-type: none"> • Low cost compared with # of concurrent call 	<ul style="list-style-type: none"> • High cost compared with # of concurrent call

Capacities

(# of concurrent call based)

Type	Encryption	UC FRONT 500	UC FRONT 2000 , 3000	UC FRONT 5000	UC FRONT 7000
NPU	-	NPU Core * 2	NPU Core * 4	NPU Core * 16	NPU Core * 32
SBC Type	SIP/RTP ~ SIP/RTP (no-encryption)	60	3,000	More than 10,000	More than 10,000
	SIP/SRTP ~ SIP/RTP (media only)	60	1,500	6,000	More than 10,000
	TLS SIP/SRTP ~ TLS SIP/SRTP (signal only)	60	2,000	8,000	More than 10,000
	TLS SIP/SRTP ~ SIP/RTP (signal/media)	60	1,000	4,000	8,000
IPS Type	SIP/RTP ~ SIP/RTP (no-encryption)	60	3,500	More than 10,000	More than 10,000
	TLS SIP/SRTP ~ TLS SIP/SRTP (signal only)	60	2,000	8,000	More than 10,000