

Standard 3-line Carrier-Grade IP Phone GRP2613

The GRP2613 is a powerful 3-line carrier-grade IP phone designed with zero-touch provisioning for mass deployment and easy management. It features a sleek design and a suite of next-generation features including 24 virtual multi-purpose keys (VPKs), dual Gigabit ports, a color LCD with swappable face plates for easy logo customization and more. The GRP series includes carrier- grade security features to provide enterprise-level security, including secure boot, dual firmware images and encrypted data storage. For cloud provisioning and centralized management, the GRP2613 is supported by Device Management System (GDMS), which provides a centralized interface to configure, provision, manage and monitor deployments of endpoints. Built for the needs of desktop workers and designed for easy deployment by

enterprises, service providers and other high-volume markets, the GRP2613 offers an easy-to-use and easy-to-deploy voice endpoint.



Supports up to 3 SIP accounts and 6 multipurpose line keys



HD audio with support for all major codecs, including wideband codecs G.722 and Opus



Swappable face plates to allow for easy logo customization



Up to 24 digital BLF keys

Gigabit

Dual switched autosensing 10/100/1000 Mbps Gigabit ethernet ports with integrated PoE



Enterprise-level protection including secure boot, dual firmware images, and encrypted data storage

Protocols/Standard SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS(A record, SRV, NAPTRI, DHCP, PPPOE, TELNET, IFTP, NTP, STUN, SIMPLE, LLDP, LDAP, TR-069, 802, IX, TLS, SRTP, IPV6 Network Interface Dual switched auto-sensing 10/100/1000 Mbps Gigabit Ethernet ports with integrated PoE Graphic Display 2.8 inch (320x240) TFT color LCD Gline keys with up to 3 SIP accounts, 4 XML programmable context sensitive soft-keys, 5 navigation/menu keys, 11 dedicated function keys for MESSAGE(with LED indicator), PHONEBOOK, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/ REDIAL, SPEAKERPHONE, VOL+, VOL- Auxiliary Port RJ9 headset jack (allowing EHS with Plantronics headsets) Voice Codecs and Capabilities Support for G7 294/B, G711µa-law, G726, G722(wide-band), G723, LBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SPINO) Hold, transfer, forward, 3-way conference, call park, call pickup, shared-call-appea-rance(SCA)/bridged-line-appearance(BLA), downloadable phonebook(XML, LDAP, up co COM fems), call avaining, call log(up to 1000 recods), XML customization of screen, off-hoad auto fall, auto answer, click-to-fall, flexible dial low. HD Audio Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately) QoS Layer 2 QoS (802.10, 802.19) and Layer 3 (ToS, DiffServ, MPLS) QoS User and administrator level passwords, MD5 and MD5-sees based authentication, 256-bit AES encrypted configuration file. Power & Green Energy Efficienty Imperiated Power adapter included: Integrated Power-over-Ethernet(802.3af)		
Integrated PoE Graphic Display 2.8 inch (320x240) TFT color LCD Gline keys with up to 3 SIP accounts, 4 XML programmable context sensitive soft- keys, 5 navigation/menu keys, 11 dedicated function keys for MESSAGE(with LED indicator), PHONEBOOK, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/ REDIAL, SPEAKERPHONE, VOL- Auxilliary Port RJB headset jack (allowing EHS with Plantronics headsets) Voice Codecs and Capabilities Support for G729A/B, G.711/ua-law, G.726, G.722(wide-band), G723, iLBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO) Telephony Features Hold, transfer, forward. 3-way conference, call park, call plokup, shared-call-appea- ing to 2000 items), call waiting, call log(up to 1000 records), XML customization of screen, off-hook and banker, click-to-clial, flexible dia plan, hot-desking, personalized music ringtones and music on hold, server redundancy and fail-over HD Audio Yes, 2 angle positions available, Wall Mount sold separately) QoS Layer 2 QoS (802.10, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AS encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot. Multi-language English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more Universal power adapter included: Integrated Power-over-Ethernet(802.3a) Max power consumption 3W(power adapter) or 3.8W(PoE) Operation: 0°C to 40°C Storage. 10°C to 40°C Storage. 10°C to	Protocols/Standards	NAPTR), DHCP, PPPoE, TELNET, TFTP, NTP, STUN, SIMPLE, LLDP, LDAP, TR-069,
Bits Gline keys with up to 3 SIP accounts, 4 XML programmable context sensitive soft- keys, 5 navigation/menu keys, 11 dedicated function keys for:MESSAGE(with LED indeator), PHONERDOX, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/ REDIAL, SPEAKERPHONE, VOL+, VOL- Auxiliary Port RJ9 headset jack (allowing EHS with Plantonics headsets) Voice Codecs and Capabilities Support for G7.29A/B, G.711µ/a-law, G.726, G.722(wide-band), G723, iLBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO) Telephony Features Support for G7.29A/B, G.711µ/a-law, G.726, G.722(wide-band), G723, iLBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO) HD Audio Hold, transfer, forward, 3-way conference, call park, call pickup, shared-call-appea- rance(SCA)/bndged-line-appearance(BLA), dowindoable phonebook(XML, LDAP, up to 2000 items), call waiting, call log(up to 1000 records), XML customization of scener, off-hood snawer, Cick-to-dia, flexible dial pan, hot-desking, personalized music ingtones and music on hoid, server redundancy and fail-over HD Audio Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately) QoS Layer 2 QoS (802.10, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS Upgrade/Provisioning English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more Upgrade/Provisioning Universal power adapter included: Universal power adapter included: Universal power adapter included: Universal power adapter included: Universal power-owere-Ethernet(802.3af) htegraded Power-ower -Ethernet(Network Interfaces	
Feature Keyskeys. 5. navigation/menu keys. 11 dedicated function keys for.MESSAGE(with LED indicator), PHONEDOK, TRANSFER, CONFRENCE, HOLD, HEADSET, MUTE, SEND/ REDIAL, SPEAKERPHONE, VOL+, VOL-Auxiliary PortRJ9 headset jack (allowing EHS with Plantronics headsets)Voice Codecs and CapabilitiesSupport for G7.29A/B, G.711/J/a-law, G.726, G.722(wide-band), G723, ILBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO)Telephony FeaturesHold, transfer, forward, 3-way conference, call pick, call pickup, shared-call-appea- ure (SCA)/Mided-line-appearance(BLA), downloadsble phonebock/ML, LDAP, up to 2000 items), call waiting, call log(up to 1000 records), XML customization of screen, off-hook auto dial, auto answer, citk-to-to-dial, flexible dial plan, hot-desking, personalized music ringtones and music on hold, server redundancy and fail-over(HD AudioYes, 2 angle positions available, Wall Mountable (Wall Mount "soil separately)QosLayer 2 Qos (802.1Q, 802.1P) and Layer 3 (ToS, Diffserv, MPL5) QoSUser and administrator level passwords, MD5 and MD5-sees based authentication, secure boot.Upgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTP /, Mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyOperation: 0°C to 40°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cod , phone stand, 5V power adapter, network cable, Quick Installation Guick, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936g FCC: Part 16 Case §; FCC Part 68 HAC CE: EN S5032; EN S5035; EN 01000-3-2; EN 61000-3-3; Sin 62368.1; AS/CA S004	Graphic Display	2.8 inch (320x240) TFT color LCD
Voice Codecs and Capabilities Support for G7.29A/B, G.711µ/a-law, G.726, G.722(wide-band), G723, iLBC, OPUS, in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO) Telephony Features Hold, transfer, forward, 3-way conference, call park, call pickup, shared-call-appearance(SCA)/bridged-line-appearance(BLA), downloadable phonebook(XML, LDAP, up to 2000 items), call waiting, call logiup to 1000 records), XML customization of screen, off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot-desking, personalized music ingtones and music on hold, server redundancy and fail-over HD Audio Yes, HD handset and speakerphone with support for wideband audio Base Stand Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately) QoS Layer 2 QoS (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot. Multi-language Firmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR-069 or AES encrypted XML configuration file. Power & Green Energy Efficiency Inviersal power adapter included: Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE) Operation: C70 C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing RP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation divide, GPL license Physical Dimension: 203mm x 193mm x	Feature Keys	keys, 5 navigation/menu keys, 11 dedicated function keys for:MESSAGE(with LED indicator), PHONEBOOK, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/
Telephony Features in-band and out-of-band DTMF(in audio, RFC2833, SIP INFO) Hold, transfer, forward, 3-way conference, call pickup, shared-call-appearance(SCA)/bridged-line-appearance(BLA), downloadable phonebook(XML, LDAP, up to 2000 items), call waiting, call log(up to 1000 records), XML customization of screen, off-hook auto dial, auto answer, click-to-clai, flexible dial plan, hot-desking, personalized music ingtones and music on hold, server redundancy and fail-over HD Audio Yes, HD handset and speakerphone with support for wideband audio Base Stand Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately) QoS Layer 2 QoS (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot. Multi-language English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more Upgrade/Provisioning Firmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR-069 or AES encrypted XML configuration file. Power & Green Energy Efficiency Universal power adapter included: Integrated Power-over-Ethernet(802.3a) Max power consumption 3W(power adapter) or 3.8W(PoE) Operation: 0°C to 40°C Storage - Ontent GRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL license Physical Dimension:	Auxiliary Port	RJ9 headset jack (allowing EHS with Plantronics headsets)
Telephony Featuresrence(SCA)/bridged-line-appearance(BLA), downloadable phonebook/XML, LDÅP, up to 2000 items), call waiting, call log(up to 1000 records), XML customization of screen, off-hook auto diat, auto answer, click-to-dial, flexible dia plan, hot-desking, personalized music ringtones and music on hold, server redundancy and fail-overHD AudioYes, HD handset and speakerphone with support for wideband audioBase StandYes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately)QosLayer 2 Qos (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoSSecurityUser and administrator level passwords, MD5 and MD5-sess based authentication, secure boot.Multi-languageEnglish, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and moreUpgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTP, mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm; Unit weight:554g ; Package weight:936g FCC: Part 15 Class B; FCC Part 68 HAC CCE: EN 55032; EN 61000-3-2; EN 61000-3-3; EN 62368-1; AS/CA S004	Voice Codecs and Capabilities	
Base Stand Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately) QoS Layer 2 QoS (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot. Multi-language English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more Upgrade/Provisioning Firmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR-069 or AES encrypted XML configuration file. Power & Green Energy Efficiency Input:100-240V; Output: +5V, 0.6A; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE) Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing RP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL license Physical Dimension: 203mm x 193mm x 52.1mm; Unit weight:554g ; Package weight:936g FCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1; AS/CA S004	Telephony Features	rance(SCA)/bridged-line-appearance(BLA), downloadable phonebook(XML, LDAP, up to 2000 items), call waiting, call log(up to 1000 records), XML customization of screen, off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot-desking,
QosLayer 2 QoS (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoSUser and administrator level passwords, MD5 and MD5-seess based authentication, 256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot.Multi-languageEnglish, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and moreUpgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyUniversal power adapter included: Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Perepretative and HumidityOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network 	HD Audio	Yes, HD handset and speakerphone with support for wideband audio
SecurityUser and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot.Multi-languageEnglish, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and moreUpgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyUniversal power adapter included: Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Temperature and HumidityOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm; Unit weight:554g ; Package weight:936g FCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1; AS/CA S004	Base Stand	Yes, 2 angle positions available, Wall Mountable (Wall Mount *sold separately)
Security256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control, secure boot.Multi-languageEnglish, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and moreUpgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyUniversal power adapter included: Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingSV power adapter, network cable, Quick Installation Guide, GPL licensePackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 8004	QoS	Layer 2 QoS (802.1Q, 802.1P) and Layer 3 (ToS, DiffServ, MPLS) QoS
Wulti-languageKorean, Japanese, and moreUpgrade/ProvisioningFirmware upgrade via FTP/TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR- 069 or AES encrypted XML configuration file.Power & Green Energy EfficiencyUniversal power adapter included: Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Temperature and HumidityOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Security	256-bit AES encrypted configuration file, SRTP, TLS, 802.1x media access control,
Opgrade/Provisioning069 or AES encrypted XML configuration file.Ower & Green Energy EfficiencyUniversal power adapter included: Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Temperature and HumidityOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Multi-language	
Power & Green Energy EfficiencyInput:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af) Max power consumption 3W(power adapter) or 3.8W(PoE)Temperature and HumidityOperation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Upgrade/Provisioning	
Temperature and HumidityStorage: -10°C to 60°C Humidity: 10% to 90% Non-condensingPackage ContentGRP2613 phone, handset with cord, phone stand, 5V power adapter, network cable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA	Power & Green Energy Efficiency	Input:100-240V ; Output: +5V, 0.6A ; Integrated Power-over-Ethernet(802.3af)
Package Contentcable, Quick Installation Guide, GPL licensePhysicalDimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936gFCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Temperature and Humidity	Storage: -10°C to 60°C
FCC: Part 15 Class B; FCC Part 68 HAC CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Package Content	
CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 Compliance RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004	Physical	Dimension: 203mm x 193mm x 52.1mm ; Unit weight:554g ; Package weight:936g
	Compliance	CE: EN 55032; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 62368-1 RCM: AS/NZS CISPR32;AS/NZS 61000.3.2; AS/NZS 61000.3.3;AS/NZS 62368.1; AS/CA S004