





Overview of (fixed) innovaphone IP phones

	IP222 - black	IP222 - white	IP232 - black	IP232 - white
				
Display	High Colour display (16 Bit), 320 x 240 Pixel Back light Customized background picture possible	High Colour display (16 Bit), 320 x 240 Pixel Back light Customized background picture possible	High Colour display (16 Bit), 480 x 272 Pixel Capacitive touchscreen Back light Customized background picture possible	High Colour display (16 Bit), 480 x 272 Pixel Capacitive touchscreen Back light Customized background picture possible
Keyboard	Numeric 4 direction navigation keys 2 x 6 function keys 5 special control keys	Numeric 4 direction navigation keys 2 x 6 function keys 5 special control keys	Numeric 4 direction navigation keys 5 special control keys	Numeric 4 direction navigation keys 5 special control keys
Protocols	H.323 & SIP Multiprotocol Voice data encryption Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Voice data encryption Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Voice data encryption Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Voice data encryption Up to 6 concurrent registrations
Codecs	G.711 A-law / μ -law (64 kbps) G.722 G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168	G.711 A-law / μ -law (64 kbps) G.722 G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168	G.711 A-law / μ -law (64 kbps) G.722 G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168	G.711 A-law / μ -law (64 kbps) G.722 G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168
Handsfree	Yes, no open listening	Yes, no open listening	Yes, no open listening	Yes, no open listening
Headset support	Yes via USB	Yes via USB	Yes via USB	Yes via USB
Interfaces	2 x Gigabit Ethernet (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af and „Energy Efficient Ethernet“ according to 802.3az) 3 x USB	2 x Gigabit Ethernet (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af and „Energy Efficient Ethernet“ according to 802.3az) 3 x USB	2 x Gigabit Ethernet (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af and „Energy Efficient Ethernet“ according to 802.3az) 3 x USB	2 x Gigabit Ethernet (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af and „Energy Efficient Ethernet“ according to 802.3az) 3 x USB
Power over Ethernet	Class 2 (without extension module)	Class 2 (without extension module)	Class 2 (without extension module)	Class 2 (without extension module)
External power supply	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA
Extension module	Yes via USB	Yes via USB	Yes via USB	Yes via USB
Order number	01-00222-001	01-00222-002	01-00232-001	01-00232-002

Overview of (fixed) innovaphone IP phones

	IP111	IP240	IP241	IP150
				
Display	Colour display, 320 x 240 Pixel	128 x 64 Pixel - or - 7 lines with 21 characters Backlight display	High Colour display (16 Bit), 320 x 240 Pixel Back light Customized background picture possible	128 x 64 Pixel - or - 7 lines with 21 characters
Keyboard	Numeric 2 x 6 function keys 9 special control keys	Numeric 4 direction navigation key Alphanumeric keyboard 7 freely programmable function keys 8 partner keys with 3 colour LED 9 special control keys Volume control + and -	Numeric 4 direction navigation key Alphanumeric keyboard 7 freely programmable function keys 8 partner keys with 3 color LED 9 special control keys Volume control + and -	Numeric 4 direction navigation key 4 special control keys Clearing key
Protocols	H.323 & SIP Multiprotocol Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Up to 6 concurrent registrations	H.323 & SIP Multiprotocol Up to 6 concurrent registrations
Codecs	G.711 A-law / μ -law G.722 G.729 (available as software license) Dynamic Jitter Buffering	G.711 A-law / μ -law (64 kbps) G.723.1 (5.3 und 6.3 kbps) G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168	G.711 A-law / μ -law (64 kbps) G.722 G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168	G.711 A-law / μ -law (64 kbps) G.723.1 (5.3 und 6.3 kbps) G.729A (16 kbps) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168
Handsfree	Yes	Yes	Yes, no open listening	No, only loud speaker
Headset support	No	Yes via DHSG (RJ -45)	Yes via DHSG (RJ -45)	Yes (order separately)
Interfaces	2 x Fast Ethernet 100 MBit (RJ 45 interface with „Power over Ethernet“ according to 802.3af and „Energy Efficient Ethernet“ according to 802.3az)	2 x Ethernet 100 MBit (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af) DHSG Interface for extension module with 30 partner keys	2 x Gigabit Ethernet (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af) DHSG Interface for extension module with 30 partner keys	2 x Ethernet 100 MBit (RJ 45 interfaces with „Power over Ethernet“ according to 802.3af)
Power over Ethernet	Class 1	Class 2	Class 2	Class 1
External power supply	Primary: 110-240V, 50/60Hz, 0,2A Secondary: 12V DC, 500 mA	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA	Primary: 110-240 V, 50 Hz, 45 mA Secondary: 12 V DC, 800 mA	No power supply support
Extension module	No	Yes up to 3 Other power supply needed when using 3 extension modules (IP302 PSU) or using POE	Yes up to 3 Other power supply needed when using 3 extension modules (IP302 PSU) or using POE	No
Order number	01-00111-001	01-00240-001	01-00241-001	01-00150-001 (IP150) 01-00150-005 (IP151)