Overview of (fixed) innovaphone IP phones

innovaphone
PURE IP COMMUNICATIONS

	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 registrationsn	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 & open listening	Only handsfree (no open listening)	Only handsfree (no open listening)	Only handsfree (no open listening)	Only handsfree (no open listening)
Headset support	Yes via USB	Yes via USB	Yes via USB	Yes via USB
Interfaces	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) "Power over Ethernet" according to IEEE 802.3af, Class 2 Energy Efficient according to IEEE802.3az 3 x USB	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) "Power over Ethernet" according to IEEE 802.3af, Class 2 Energy Efficient according to IEEE802.3az 3 x USB	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) "Power over Ethernet" according to IEEE 802.3af, Class 2 Energy Efficient according to IEEE802.3az 3 x USB	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) "Power over Ethernet" according to IEEE 802.3af, Class 2 Energy Efficient according to IEEE802.3az 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

innovaphone
PURE IP COMMUNICATIONS

	IP111	IP112	IP241	IP150
				
Display	True Colour display (24 Bit), 320 x 240 Pixel (3,5 Zoll) Back light Customized background picture possible	True Colour display (24 Bit), 320 x 240 Pixel (3,5 Zoll) Back light Customized background picture possible	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 16 function keys 9 special control keys 32 Partner keys	Numeric 16 function keys 9 special control keys 32 Partner keys	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) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168 Opus	G.711 A-law / µ-law G.722 G.729 (available as software license) VAD, CNG Dynamic Jitter Buffering Echo Compensation: G.168 Opus	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 & open listening	Yes	Yes	Yes	Only open listening (no handsfree function)
Headset support	No	Yes via USB 2.0	Yes via DHSG (RJ45, Modular Jack 8P8C)	Yes (order separately)
Interfaces	2 x Fast Ethernet 100 MBit, RJ45 (Modular Jack 8P8C) “Power over Ethernet” according to IEEE 802.3af, Class 1 Energy Efficent according to IEEE 802.3az	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) “Power over Ethernet” according to IEEE 802.3af, Class 2 Energy Efficient according to IEEE802.3az	2 x Gigabit Ethernet, RJ45 (Modular Jack 8P8C) “Power over Ethernet” according to IEEE 802.3af, Class 2 DHSG Interface for extension module with 30 partner keys	2 x Ethernet 100 MBit, RJ45 (Modular Jack 8P8C) “Power over Ethernet” according to IEEE 802.3af, Class 1
Power over Ethernet	Class 1	Class 2	Class 2	Class 2
External power supply	Primary: 110-240V, 50/60Hz, 0,2A Secondary: 12V DC, 500 mA	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	No power supply support
Extension module	No	No	Yes up to 3 Other power supply needed when using 3 extension modules (IP302 PSU) or using POE	No
Order number	01-00111-001	01-00112-001	01-00241-001	01-00150-001 01-00150-010