W626W Ruggedized Wi-Fi Phone Datasheet

The ruggedized Wi-Fi phone W626W is designed for reliable wireless communication in enterprise and industrial environments, including offices, warehouses, healthcare and more. With an IP67 protection level, 1.8-meter drop resistance, and antibacterial and chemical-resistant materials, it delivers enhanced durability and hygiene protection for daily use in demanding scenarios.

Supporting up to 8 SIP accounts and 6-party audio conferencing, the device provides greater flexibility for multi-line communication and team collaboration. The 2.4-inch color display ensures a clear and intuitive user experience.

Equipped with dual-band 2.4G/5G Wi-Fi 6 and Bluetooth 5.0, the handset enables stable connectivity and seamless roaming across wireless networks. HD audio with intelligent noise reduction ensures clear voice communication, even in noisy environments.

In addition, the device supports H.264 video decoding, extending communication from voice to visual interaction. A dedicated emergency key enables fast alert triggering. With WPA3 and TLS 1.3 security, the device enhances data protection.

Highlights

- 2.4-inch color display with support for H.264 video decoding
- IP67-rated for water and dust resistance; withstands drops up to 1.8 meters, ensuring robust durability
- 3100mAh high-capacity battery for long-lasting battery life
- Up to 13 hours talk time and 240 hours standby time (Laboratory data)
- HD audio with intelligent noise reduction and acoustic shield technology
- Dedicated red emergency alarm key for instant emergency calls and automatic alert triggering;
- Built with antibacterial materials, suitable for factory and hospital settings.
- Supports Wi-Fi 6 and Bluetooth 5.0 connectivity
- WPA3 and TLS 1.3 support for enhanced communication security
- Support desktop and wall-mounted installation

Note: Supports up to 4CIF video resolution; data from Fanvil Lab.

HD Audio | IP67 | Long Battery Life | Alarm Call | Chemical Cleaning Resistant | TLS1.3 Supported | Video Decoding

Tel: +86-755-2640-2199 E-mail: sales@fanvil.com Web: www.fanvil.com Fanvil Link Technology Co., Ltd.

Specifications

Media	Hands free loudspeaker	2 W speaker
	Microphones	2 x Mic
	Audio	Intelligent noise cancellation
		Acoustic shield
		Acoustic Echo Cancellation (AEC)
		Automatic Gain Control (AGC)
		Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE)
		Packet Loss Concealment
		RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
	DTMF	In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO
	Narrowband Codec	G.711A/U, G.726, G.723.1, G.729, G.729A, G.729B, G.729AB, iLBC
	Wideband Codec	G.722, Opus
	Video Decoding	H.264
	Video Resolution	SQCIF, QCIF, QVGA, CIF, VGA ,4CIF
User interfaces	Screen	2.4" 240 x 320 TFT color screen
		Screen saver
		Personalized background image
		Screen backlight adjustment
		Self-adaptive acceleration-sensing screen off during calls
	Keyboard	12 standard phone digit keys
		4 navigation keys and 1 OK key
		6 function keys: dial, hang-up, hands-free, phone book, mute, call transfer
		2 volume control keys (Up/Down)
		3 soft keys
		1 Push-to-Talk (PTT) key
		1 alarm key
		White backlit keyboard
	Status indicator light	Orange, Green, Red
Phone Features	Generic	8 SIP lines
		Vibration Function
		Network time synchronization
		Personalized ringtone settings
		Volume adjustment
		Memorandum

		Voicemail (MWI)
	Alarm	Button/ Man Down/ No Movement/ Running *The alarm function detects device motion status and orientation changes, and triggers an alarm when predefined conditions are met. This function is intended for alarm notification only and is not designed to replace professional safety monitoring or medical monitoring systems.
	Call Features	Auto-Answering
		Call out / Answer / Reject
		Call waiting / Switch
		Call forwarding
		Speed Dial
		Intercom
		Anonymous Call (Hide Caller ID / Ban Anonymous call)
		6-way Audio Conference
		Direct IP call without SIP proxy
		Emergency Call
		Caller ID Display
		Do-Not-Disturb(DND) / Timed DND
		PTT One-touch call
	Phone book	1000 Local contacts
		Remote phone book (XML/LDAP, 1000 entries)
		Restricted Incoming Numbers, Allowed Incoming Numbers, Restricted Outgoing Numbers
	Multi-language optional	English/ Chinese/ Traditional Chinese / Russian/ Italian/ German/ Japanese/ French/ Hebrew/ Spanish/ Catalan/ Basque/ Galician/ Turkish/ Slovenian/ Czech/ Dutch/ Korean/ Ukrainian/ Portuguese/Arabic/ Thai
	Call logs	600 call logs
Maintenance	Auto-Provisioning	FTP / TFTP / HTTP / HTTPS / DHCP Option 66/ SIP PnP
	Management Protocol	TR-069, FDMCS
	Firmware upgrade	OTG / Web-based upgrade
	Troubleshooting	Web-based packet-dump
		Configuration export / import
		Syslog
Network	Wi-Fi	Dual-band Wi-Fi 6 (802.11 a/b/g/n/ac/ax)
		2.4 GHz IEEE 802.11 b/g/n/ax
		5 GHz IEEE 802.11a/n/ac/ax
		802.11 k/v/r seamless roaming
	Quick network connect	Batch connect network by sharing Wi-Fi networks

		Connect network by scanning the QR code with mobile phone.
	Bluetooth	BT 5.0
		Bluetooth headsets: Answer/end/mute/redial/volume adjustment
	Protocols	IPv4/IPv6/IPv4&IPv6
		DNS-SRV
		STUN
		DHCP
		SNTP
Security	Voice encryption	SRTP
	Transmission encryption	TLS 1.2, TLS 1.3
	Wireless encryption	WPA / WPA2-PSK / WPA3, 802. 1X EAP
	Others	Configuration encryption
		Keypad lock
		Menu encryption
Interface	Type-C	USB 2.0
	Headset jack	Type-C
	Charging Port	Type-C, 2 x Contact pins
Power	Charging Methods	Charging base and Type-C charging
	DC input	5 V/2 A
	Battery Capacity	3100 mAh
	Battery life	Up to 13 hours talk time (Laboratory data) Up to 240 hours standby time (Laboratory data)
Environmental Factors	Operating humidity	5 ~ 95% (non-condensing)
	Operating temperature	-10℃ ~ 45℃
	Storage temperature	-20℃ ~ 60℃
Physical Features	Safe Drop height	1.8 m
	Protection Rating	IP67
	Material	Antibacterial design, chemical cleaning resistant
	Handset Weight	220 (g)
	Product Dimensions	161 x 55 x 24.5 mm
Package Features	Gift-Box Dimensions	195 x 188 x 75 mm
	Dimensions carton	400 x 398 x 410 mm (20 pcs)
	Carton Net weight	11.32 (kg)
	Carton Gross weight	12.24 (kg)

	Package Contents	W626W portable WiFi phone
		5 V/2 A adapter
		Charging base
		Belt clip
		Rechargeable battery
		Quick installation guide
Compliance	CE FC RoHS	

About LINKVIL

As a sub-brand of Fanvil, LINKVIL focuses on the research and development of A&V-IoT wireless communication products. Based on Audio & Video -IoT, LINKVIL helps customers to achieve full connection of wireless communication systems and will build a wireless communication Eco-system for multi-scenarios to help different industries accelerate their digital transformation.

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More Information

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.
For more information, please visit: www.fanvil.com

Fanvil Link Technology Co., Ltd.
Web：www.fanvil.com
Tel: +86-755-2640-2199
E-mail: sales@fanvil.com
Add:13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, China