

Physical Interfaces

Capacity

32 FXS with RJ11
2*RJ21, 50 PIN

Ethernet Interfaces:

3* LAN, 10/100Mbps, RJ-45

Console:

1*RS232, 115200bps

Voice & FAX

G.711A/U law, G.723.1, G.729 A/B,

G.726, AMR, iLBC

Silence Suppression

Comfort Noise Generation(CNG)

Voice Activity Detection(VAD)

Echo Cancellation(G.168), with up to 128ms

Adaptive (Dynamic) Jitter Buffer

Hook Flash

Programmable Gain Control

T.38/Pass-through

High speed fax up to 14.4kbps

Modem/POS

DTMF mode: Signal/RFC2833/INBAND

VLAN 802.1P/802.1Q

(data/voice/management VLANs)

Layer3 QoS and DiffServ

Supplement Service

Call Waiting

Blind Transfer

Attend Transfer

Call Forward on Busy

Call Forward on No Reply

Unconditional Call Forward

Warm/Immediately Hotline

Call Hold

Do-not-disturb

3-Way Conference

Message Waiting Indicator

Speed Dial

Shenzhen Dinstar Co.,Ltd.

Floor 18, Building 7A, Vanke Cloud City Phase 1, Xingke 1st Street, Xili Sub-district, Nanshan District, Shenzhen, P.R. China 518000

www.dinstar.com
sales@dinstar.com



FXS

Connector: RJ11 and RJ21

Dial Mode: DTMF and Pulse

Pulse: 10 and 20 PPS

Caller ID: DTMF/FSK CLI Presentation

Max Cable Length: 5 km

Reversed Polarity

Programmable Call Progress Tone

Software Features

Hunting Group

Web ACL

Telnet ACL

Action URL

PPPoE/IPv4/IPv6

OpenVPN

Digitmap

Routing Rules based Prefixes

Caller/Called Number Manipulation

Maintenance

SNMP v1/v2/v3

TR069, TR181

Auto Provisioning

Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web

CDR

Syslog(Emerg,alert, critical,error
warning,notice,info, debug)

Ping/Tracert Test

Network Capture

Outward Test(GR909)

NTP/Daylight Saving Time

IVR local Maintenance

Cloud-based Management

About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.

VoIP

Protocol:

SIP v2.0 (UDP/TCP),RFC3261
SDP(RFC2327),RTP(RFC2833),
RFC3262,3263,3264,3265,
3515,2976,3311

SIP TLS/SRTP

RTP/RTCP, RFC2198, 1889

RFC4028 Session Timer

RFC3266 IPv6 in SDP

RFC2806 TEL URI

RFC3581 NAT,rport

Primary/backup SIP server

Outbound Proxy

DNS SRV/ A Query/NATPR Query

SIP Trunk

Early Media/Early Answer

NAT:STUN, Static/Dynamic NAT

Environmental

Power Supply: 100-240VAC, 50-60 Hz

Power Consumption:40W(Typical)

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions(W/D/H): 440*250*44mm

Unit Weight: 3.2kg

Compliance: CE, FCC



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2015011608772080

NAME AND ADDRESS OF THE APPLICANT

Shenzhen Dinstar Technologies Co.Ltd
9th Floor of Guoxing Building, Changxing Road, Nanshan District, Shenzhen,
P. R. China

NAME AND ADDRESS OF THE MANUFACTURER

Shenzhen Dinstar Technologies Co.Ltd
9th Floor of Guoxing Building, Changxing Road, Nanshan District, Shenzhen,
P. R. China

NAME AND ADDRESS OF THE FACTORY

Shenzhen senhul electronics Co,Ltd
4-5F,licheng industry park ,building L,ShaJing street,Boan
district,Shenzhen city

NAME, MODEL AND SPECIFICATION

Digital Trunking Gateway

MTG1000; 100-240VAC, 50-60Hz, 1.5A

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB4943.1-2011;YD/T993-1998;GB9254-2008(Class A)

This is to certify that the above mentioned products have met the requirements of implementation rules for compulsory certification(REF NO. CNCA-C16-01:2014).

Date of issue: May.07,2015 Date of expiry: Mar.20,2020

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

This certificate can be verified through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China

<http://www.cqc.com.cn>

Q 1135910



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 01713Q11699R0M

We hereby certify that

Shenzhen Dinstar Technologies Co., Ltd.

6E, Guoxing Building, Changxing Road, Nanshan District, Shenzhen, Guangdong, P.R.China, 518052

by reason of its **Quality Management System**
has been awarded this certificate for compliance with the standard
GB/T 19001 – 2008/ISO 9001:2008

Scope of certification/registration

Design Development, Sale and Technical Service of Communication Gateway

Initial Issuance Date: 2013-10-22

This certificate is valid during: 2013-10-22 ~ 2016-10-21

The certificate is valid within the term of validity of all the administration and qualification stipulated in accordance with the regulation of PRC;

The effectiveness of this certificate shall be validated by annual surveillance audit of XGQC, the certificate shall be valid when used together with the surveillance audit conclusion;

Effective information of certificate can be checked <http://www.xgqc.com>

1st surveillance
audit conformity

2nd surveillance
audit conformity



MANAGEMENT SYSTEM
CNAS C017-Q



ISSUED BY



Beijing Xingguo Global Certification Co., Ltd.

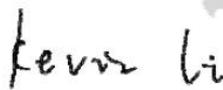
Room 3-803, 8/F, No.5 Guangyi Street, Xicheng District, Beijing, 100053, P.R.China

CE CERTIFICATE OF COMPLIANCE

This is to certify that the product listed below was (were) tested in the BTL EMC Laboratory to comply with the required criteria levels of the follow-mentioned Generic Standards or Product Family Standard(s) and/or Basic Standard(s) based-on the essential conformity requirements of EMC Directive 2014/30/EU.

Equipment	IP PHONE
Model Name	X210, X210i
Brand Name	Fanvil
Applicant	Fanvil Technology Co.LTD.
Address	4F,Block A,Bldg#1,GaoXinQi Hi-TechPark Phase-II,67th District,Bao'An Shenzhen China
Standard(s)	EN 55032:2015+AC:2016 Class B EN 61000-3-2:2014 Class A EN 61000-3-3:2013 EN 55035:2017
Report(s)	BTL-EMC-1-1901C092

The test data, data evaluation, and equipment configuration contained in our test report(s) above was (were) obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s). The test data contained in the referenced test report relate only to the EUT sample and item(s) tested.



Kevin Li

Authorized Signatory



BTL INC.

No.3, Jinshagang 1st Road, Shixia, Dalang
Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000

FAX: +86-769-8319-6000



Certificate #5123.02



CE CERTIFICATE OF COMPLIANCE

This is to certify that the equipment listed below was (were) tested in the BTL Laboratory and shown compliance with the applicable technical standard(s) according to the Radio Equipment Directive (RED) 2014/53/EU.

Equipment IP Phone
Model Name X210, X210i
Brand Name Fanvil
Applicant Fanvil Technology Co., LTD.
Address 4F,Block A,Bldg#1,GaoXinQi Hi-TechPark Phase-II,67th District,Bao'An Shenzhen China

Standard(s) EN 301 489-1 V2.2.0 (2017-03) Draft EN 300 328 V2.1.1 (2016-11)
 EN 301 489-17 V3.2.0 (2017-03) Draft EN 62479:2010
 EN 61000-3-2:2014 Class A
 EN 61000-3-3:2013

Report(s) BTL-ETSE-1-1901C092
 BTL-ETSP-1-1901C092
 BTL-ETSP-2-1901C092

The test data, data evaluation, and equipment configuration contained in our test report(s) above was(were) obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s). The test data contained in the referenced test report relate only to the EUT sample and item(s) tested.

Ethan
 Authorized Signatory



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Certificate #5123.02





Fanvil X210 Enterprise IP Phone

Fanvil X210 enterprise IP phone is designed for business managers and busy office professionals to streamline communication and enhance collaboration with its HD voice, 20 SIP lines, up to 106 DSS keys, built-in Bluetooth, Wi-Fi connectivity (Via Wi-Fi dongle), IP camera / SIP video door phone integration, codec H.264 support for receiving video calls and more!

Highlights

- ☑ 4.3" main color display, 2x3.5" side color displays for DSS keys
- ☑ 20 SIP lines, hotspot
- ☑ HD audio on speakerphone and handset
- ☑ Built-in Bluetooth 4.2
- ☑ Wi-Fi connectivity (Via Wi-Fi dongle)
- ☑ 6-way audio conference
- ☑ Up to 106 DSS keys (42 tri-colored physical keys)
- ☑ Video Codec H.264 support for receiving video calls
- ☑ Dual Gigabit ports, integrated PoE
- ☑ Stand with 2 adjustable angles of 40 and 50 degrees



Model	Screen	Network	PoE	Power adapter
X210	4.3" color-screen	10/100/1000 Mbps	✓	—

Generic

- 20 SIP Lines
- HD Voice
- Support receiving Video call
- PoE Enabled
- 3 LCDs (Main + DSS)
- Handset / Hands-free / Headset mode
- Intelligent DSS Keys
- Optional External Power Supply

Phone Features

- Local Phonebook (2000 entries)
- Remote Phonebook (XML/LDAP, 2000 entries)
- Call logs (In/out/missed, 1000 entries)
- Blocked /Allowed List
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Built-in Bluetooth 4.2: Support Bluetooth headset
- Support Wi-Fi Dongle
- Support Plantronics wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)

- Support Recording (Through Flash Drive or Server Recording)
- Action URL / Active URI
- uaCSTA

Call Features

- Call out / Answer / Reject
- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Do-Not-Disturb
- Auto-Answering
- Voice Message (On server)
- 6-way Conference
- Hot Line
- Hot desking

Video

- Video codec: H.264
- Video call resolution: QCIF / CIF / VGA/1080P

Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0~7KHz Frequency Response)
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729A/B, iLBC
- Wideband Codec: G.722, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Networking

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode:IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS
- RTPC-XR(RFC3611),VQ-RTCPXR(RFC6035)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

- AES128 & AES256

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

Physical Specifications

- Main LCD x1: 4.3 inch (480x272) color-screen LCD
- DSS Key-mapping LCD x2: 3.5 inch (320x480) color-screen LCD
- Keypad: 77 keys, including
 - 4 Soft-keys
 - 6 Function keys (Hold, Call forward, Phonebook, MWI, Headset, Redial)
 - 4 Navigation keys
 - 1 OK key
 - 1 Return key
 - 12 Standard Phone Digits keys
 - 3 Volume Control keys, Up/Down/Mute(Microphone)
 - 1 Hands-free key
 - 42 DSS Keys with tri-color LED
 - 3 Page-Switch (PS) key
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Back Rack x1
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- USB2.0 Port x1: Standard A, Connect with Wi-Fi USB dongle or Flash Driver
- DC Power Input: 5V/2A
- Power Consumption (PoE): 2.6~9W
- Power Consumption (Adapter): 2.4~8W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Dark gray
- Device Dimensions
 - Desktop Stand (Angles 1): 309 x 214 x 187mm
 - Desktop Stand (Angles 2): 309 x 226 x 167mm
- Gift Box Dimensions: 323 x 301 x 71mm
- Outer CTN Dimensions: 624 x 383 x 348mm (10 PCS)

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

