XL-DM327G
Multi-service Access Test PDA

(4G Android OS Smart Phone + Barcode Scan+ xDSL + Optical Power Meter + VFL+ Cable Tracing+ Landline Telephone+ Check line sequence+ ONU+ IPTV Test)

I. Summary

The PDA for industrial application is gradually becoming the mainstay for the development of the market.

Aiming at the management and test need during the telecommunication operation and maintenance, XL-DM327G a handheld intelligent PDA is especially designed for the telecommunication operation and maintenance domain. It adopts mainstream Android operating system, which combine industrial smart phone, telecom test functions like ADSL/VDSL tester, optical power meter, VFL and Barcode scan, cable tracing, ONU, IPTV test, DMM , Check line sequence, Landline telephone etc.

☐ System Platform: Mainstream Android operating system, Telecom operators can install any application program or software.

☐ Powerful functions: 4G Android OS Smart Phone + Barcode Scan+ xDSL + Optical Power Meter + VFL+ Cable Tracing+ Landline Telephone+ Check line sequence+ ONU+ IPTV Test and so on.

☐ Reliable and durable: Industrial grade design, strong endurance, economical and durable.

☐ Outstanding Value: It can improve the installation and maintenance efficiency and control efforts; effectively integrate and explore the human resource value; improve the image of telecommunication installation and maintenance as well as the subscribers' perception.

☐ Value added service: It can realize the assets management by bar code scanning and at the meantime realizes the dual management of people and goods.

II. Features

1. Fast processor

CPU is MSM8625 Q and the system adopts Android 4.4 operation system.

2. Strong protection for bad environment

It can apply to the bad environment, which can resist multiple dropping impact from 1.2m high; good water-proof and dust-proof effect; durable and long life span.

3. Visible 5 inch LCD in the sunlight

It is 5 inch vertical screen LCD, 720×1280 high resolutions; with pressure sensitive touch screen and semi permeable TFT IPS LCD readable display. Its particular non glare and reflective technology make the work in the wild sunlight more easy and convenient.

4. The storage capacity is big and extensible

TF card supports 32G cards, which can basically satisfy regular information and data storage.

It adopts portable change design. There is no need to open the tester and you can remove the battery with the knob. The battery capacity is as high as 8200 mAh.

5. Advanced battery installation design and strong endurance

Due to the lithium battery capacity of 8200 mAh and low-power design, the duration will be more than 3 days under routine operation.

6, Multi-functional module integration

--The built-in fixed network test module can do ADSL/VDSL test, LAN test and Modem emulation.

--8 million pixels postposition camera makes the image data collection convenient.

--Support Telecom TDD-LTE B41;

--Support Telecom FDD-LTE B1/B3/B7; CDMA 800MHz;GSM B2/B3/B8;

--Support Unicom TDD-LTE B40/B41;

--Support Unicom FDD-LTE B1/B3/B7; WCDAM B1/B2/B5;GSM B2/B3/B8;

--Support 1D CCD bar code scan

7, Reliable process design

It adopts advanced manufacturing process which is reliable and convenient to assemble.

III. Main functions

☐ Smart Phone Function

--Dialing call and answer
--Message
--Video and Camera
--Call Records
--Alarm Clock
--Calendar
--Setting
--Address Book
--Digital Album
--File Management
--Calculator
--Notepad
--Media Player
--Recorder
--Flashlight

☐ Test Function

xDSL Test
-- Physical Layer Info.
--Net Card
--PPPoE
--FTP Client
--Network Layer Test
--Fixative IP
--Modem Emulation
--PING
Optical Power Test
VFL Test
Bar Code Scan
Cable Tracing
Cable Line Sequence
Landline Telephone
IPTV Test
ONU

IV. Main Specifications

General Specifications

Display screen		720X1280TFT, true color LCD, touch screen
Operation system		built-in Android 4.4 operation system
System		MSM8625 Q, RAM 1G bytes, Flash 8G bytes(3G for ROM and 5G for storage), supports TF memory card(The biggest capacity is 32G)
Wireless Protocol	Model no.	FDD/TDD/WCDMA/EVDO/CDMA/GSM
Unicom/Telecom	XL-DM327G	
Mobile	XL-DM327GT	TDD/TD-SCDMA/GSM
Telecom	XL-DM327GE	FDD/TDD/EVDO/CDMA/GSM
Unicom	XL-DM327GW	FDD/TDD/WCDMA/EVDO/GSM
Power Supply		Rechargeable 3.8V 8200mAh polymer battery and the max power is 3W.
Camera		8 million pixels post position camera and support auto focus and flash function.
Dimension		181mm*87mm*45mm
Weight		550g

xDSL Index

ADSL2+ Module	
Standards	ITU G.994.1 (G.hs), ITU G.992.5, ITU G.992.5 Annex L. The max distance which can be connected is 6.5km. Be compatible with ADSL, ADSL2 and READSL.
Attenuation:	0~63.5dB
Noise Margin	0~32dB
Upstream Channel Rate (interweaved / fast mode)	0~1.2Mbps
Downstream Channel Rate (interweaved / fast mode)	0~24Mbps
The modulating bits in the DMT sub-channel	0~15 and each sub-channels' frequency points
The number of error codes	CRC, HEC, FEC, NCD, OCD

VDSL2 Module	
Standards	ITU G.993.2(VDSL2).Be compatible with ADSL2+, ADSL standard.
DSL line transmission parameter	DSL line attenuation DSL line noise margin DSL line up channel speed（Inter/Fast mode）0-100M DSL line down channel speed（Inter/Fast rate）0-100M DSL line up/down maximum rate and capacity ratio 0-100M DMT sub channel bit number：0～15, and each sub channel frequency points DSL line error number (CRC, HEC, FEC, LCD, OCD) DSL line local output power State display: signal loss, connection close. DSLAM information Error Code Secon Impulse Noise Protection (INP)
3) Support profiles:	Profile 8a, 8b, 8c, 8d, 12a, 12b, 17a

Optical Power Index

Wavelength range(nm)	800~1700
Photosensing material	InGaAs
Power test range(dBm)	-70~+10 or -50~+26
Error range	±5%
Display distinguishability	Linear display: 0.1%; logarithmic display: 0.01 dBm
Adapters	FC, ST, SC

VFL Index

VFL	FP-LD
Wavelength	650nm±20nm
Output power	1mw/3mw/5mw/10mw (optional）
Connector	2.5mm universal adapter(SC, FC, ST)
Working mode	CW or 2Hz modulation
Applicable fiber	SM / MM

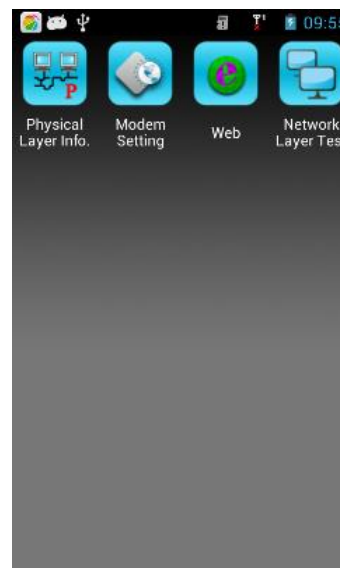# V. Pictures of Interface & Ports

1. Operating Interface
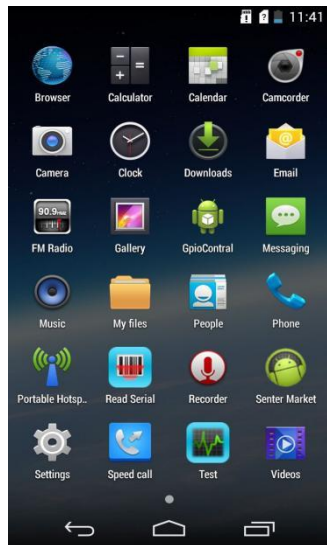
Main

Menu

Optical power test interface

xDSL Test interface

VFL interface

Cable tracing interface
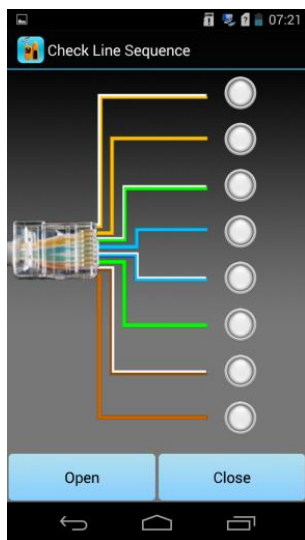
Check line sequence interface
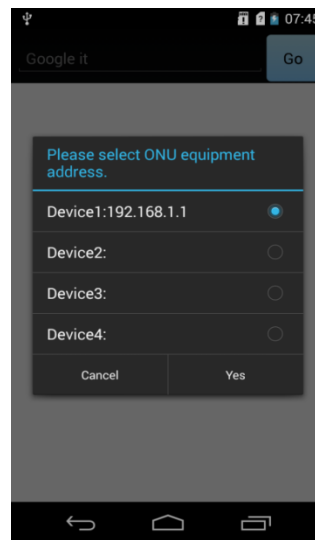
ONU interface

2. Ports

Up View

Bottom View

Back View

Side View

VI. Compositions of the tester

Standard Accessories

Items	Names	Quantity
	XL-DM327G	1
	Charger	1
	Direct Ethernet Network line	1
	USB data line	1
	Touch Pen	1
	User Manual	1
	Sling	1
	Carrying Case	1
	8200mAh Battery	1
	Belt	1

Optional Accessories

Items	Names	Quantity
	Test Line	1
	USB inverting power line	1
	Tracing receiver	1

VII. Ordering Information

Ordering Information		Module Code
Standard / Basic Part		
FDD/TDD/WCDMA/EVDO/CDMA/GSM		**XL-DM327G**
TDD/TD-SCDMA/GSM		**XL-DM327GT**
FDD/TDD/EVDO/CDMA/GSM		**XL-DM327GE**
FDD/TDD/WCDMA/EVDO/GSM		**XL-DM327GW**
Optional Module		
xDSL	ADSL2+ Module	**A**
	VDSL2 Module	**V**
1D Bar Code Scanning Module		**B**
Optical Power Meter Module		**G**
VFL Module		**H**
Cable Tracing		**X**
IPTV Test		**I**

ONU	**O**
Landline Telephone	**T**
Cable Line Sequence	**W**

If you need any optional modules, please contact us without any hesitation to choose the most proper one.

For example,XL-DM327G-AG: 4G Unicom/Telecom XL-DM327G with ADSL & optical power module.