

NIS E-SERIES PRODUCT CATALOGUE



SMART PTT PRODUCTS

NETSTREAM IS'S smart PTT Device system has the unique benefit of being able to work off cellular (4GLTE, 3G,2G), WIFI as well as digital radio networks and simplex on certain of its devices to ensure exceptional coverage and reliability for the user.

The stand out advantage of the NETSTREAM IS PTT radio system is that two-way radio communication can be deployed almost anywhere with no major fixed costs to the customer other than the rental or purchase of the radio and the cost of the subscription to the service. The encrypted system allows for country wide as well as international coverage to be obtained and uses the cellular networks (4G LTE, 3G, 2G) as well as Simplex and Digital radio infrastructure in ensuring excellent range of coverage.

INDUSTRIES WE SERVE



PUBLIC SECURITY



LOGISTICS MANAGEMENT



TRANSPORTATION



CONSTRUCTION



**COUNCIL & LOCAL
GOVERNMENT**



ENERGY & UTILITY

NIS618

Netstream IS 618 combines the advantages and comfortable handling of a rugged smartphone with the unique features of professional PTT over Cellular (PoC).

With IP68 protection which is dust-proof, water-proof, shock-proof and as rugged as a radio, while the large 5.7" multi-touch display features Gorilla® glass.

Two SIM card slots allow far greater coverage than on a regular smartphone. The device is also equipped as standard with an integrated NFC function in addition to Bluetooth. The NIS618 also features a 2W speaker and a dual microphone for clear audio quality, The powerful 4800 mAh long-life battery pack with a fast charging feature ensures optimum availability and reliable communication.



ELEGANT AND HIGH PERFORMANCE

Are you still worried about the screen size which is too small for communication and operation? NIS618, A GSM Certificated Android Rugged Smart Radio with Integrated POC Capability, providing 2W speaker voice for industry users.

NFC Function could recognize tags and see where your drivers are or where goods are located.

DEDICATED PTT BUTTON

PTT(Push to Talk) or (Push to Transmit)is on all two way radios and many mobile phones.

The button is used to transmit a communication, active when pressed and not when depressed, the user simply presses the PTT Button, holds a second and transmits their message.

EMERGENCY SOS BUTTON

With a single press, the SOS button on the PTT Device enables fast alarm notification for worker's related concerns to the safety team in real time.

IP68 & MIL810G,1.5M DROP TESTED

A powerful 4800mAh long-lasting battery to support quick charging, With IP68 protection which is dust-proof, water-proof, drop proof as rugged as a radio

NIS618 TECHNICAL DATASHEET

Feature	Technical Description
1.HW SPEC	
1.1 Main CPU & SW	
CPU Android Language	MT6762 Octa-core,CPU2.0GHz Android 11 with GMS Certification Multi-Language
1.2 Memory	
RAM+ROM SD Card	4+64GB Optional for 3+32GB,6+128GB Up to 256GB
1.3 LCD	
LCD LCD resolution LCD Colors	5.7 inch G+F+F Gorilla Glass 1440 X 720 pixel 16M color IPS
1.4 Touch	
Touch type & size Glass Multi-touch	5.7" G+F+F,Support Glove wear touch Gorilla Glass 5 point touch screen
1.5 Sensor	
Sensor	G-Sensor/Light Sensor/Proximity Z/Sensor/3D Sensor/E-compass
1.6 Frequency/Bands	
Network (GSM , WCDMA , FDD , TDD)	US Version: GSM:B2/B3/B5/B8; WCDMA:B2/B4/B5/B8; TDD:B38/B39/B40/B41; FDD:B2/B4/B5/B7/B12/B13/B14/B17/B28A/B28B Euro/Asia Version: GSM:B2/B3/B5/B8; WCDMA:B1/B2/B5/ B8; TDS:B34/B39; TDD:B38/B39/B40/B41; FDD:B1/B3/B5/B7/B8/B20/B26/B28A/B28B; CDMA:BC0
1.7 Camera	
Front& Rear Camera	Back:13.0MP with focus ,Front:5.0MP
1.8 Wi-Fi	
IEEE802.11a IEEE802.11b IEEE802.11g IEEE802.11n WIFI antenna type	Yes (5G) Yes(2.4G) Yes(2.4G) Yes(2.4G&5G) Wi-Fi & BT Coexistence Antenna Impedance 50Ohm
1.9 Bluetooth	
Version Power Level Operation distance	BT v5.0 (Max) Class 2 (Max) 10 meter
2.0 GPS & A-GPS	
GLONASS Support GPS Support AGPS Support GOS antenna Type	Yes Yes Yes Internal FPC antenna
2.1 Speaker & MIC	
Output SPL Receiver MIC Type MIC Sensitivity SIM card Vibrator	2.0W 102dB 1506 Dual pole mic -42dB±3 Dual Micro-SIM card Yes

NIS618 TECHNICAL DATASHEET

Feature	Technical Description
2.2 USB	
USB type USB USB: OTG Cable length	Type C 2.0 Yes 1.0m
2.3 Earjack Interface Type	3.5mm Earphone connector, support PTT earphone
2.4 Indicator LED	3-colors (Red, Green, Blue)
3. MD	
3.1 Size	
Height (H x W x D) Weight IP code Drop Test	160.8 x 76.2 x 13.1mm 250g IP68 1.5m
3.2 Key buttons	
Key buttons	SOS , PTT, Volume(+/-), Power(on/off)
4. Battery	
Battery type Battery capacity Removable battery	Li-Po 4800 mAh No
5. Charge, Data Interfaces	
5.1 Charging	
Micro USB (For Handset) Battery charging terminal (For Cradle)	Type C Cradle charging
5.3 Cradle Spec	
Input voltage Output voltage Interface Type	DC 9V / 1.67A DC 9V / 1.67A Type C
5.4 Phone Adaptor Spec	
Input voltage Output voltage Interface Type	AC 100 ~ 240V DC 9V / 1.67A Type C
6. Environmental Conditions	
Operating Temperature Storage Temperature Humidity ESD RoHS 6 Compliant	-20°C ~ 60°C -30°C ~ 70°C 20 ~ 90% Contact: ±8KV Air: ±12KV Yes
7. Certification & Safety Spec	
Europe American	CE FCC/GMS

NIS966P

Netstream IS 966P is android PoC radio with NFC ,With IP68 protection which is dust-proof, waterproof, and meet the military standard MIL810G, while the large 4 inch multi-touch display supports glove and wet operations.

Two SIM card slots allow far greater coverage than on a regular smartphone. The device is also equipped as standard with an integrated NFC function in addition to Bluetooth.

The NIS966P also features a 2W speaker and a dual microphone for clear audio quality, The powerful and removable 4500 mAh long-life battery pack with a fast charging feature ensures optimum availability and reliable communication.



RUGGED DESIGN & OPERATION SCREEN SIZE

Netstream IS Rugged NIS966P uses latest MTK chipset, support worldwide 2G/3G/4G Network bands, dedicated for professional radio communication and mission critical communication.

This android based handheld also supports glove and wet operation, and good for use in public safety, fire department, logistic and mining etc.

DEDICATED PTT BUTTON

It embodies dual MIC and 2W Speaker. Making your work and communication easy and flexible

DEDICATED SOS BUTTON

With a single press, the SOS button on the PTT Device enable fast alarm notification for worker's and related concerns to our safety team in read time.

LONG LIFE BATTERY , NFC FUNCTION & COMPATIBLE WITH BODY CAMERA

Powerful and Removable 4500mAh Long-Life battery pack with a fast charging, support Type-C Connector. NIS966 designed with one key camera, support external body camera with viewing angle 120 degrees, high resolution 1080p, support night vision function and real-time record video, share with dispatch instantly.

NIS966P TECHNICAL DATASHEET

Feature	Technical Description
1.HW SPEC	
1.1 Main CPU & SW	
CPU Android Language	MTK6761 Quad-Core CPU , 2.0Ghz , Support Pin-Pin Octa-Core CPU Android 8.10S (Later 10.00S) Multi-Language
1.2 Memory	
RAM+ROM SD Card	2GB +16GB (Optional 3GB + 32GB) Up to 32GB
1.3 LCD	
LCD LCD resolution LCD Colors	4" 854 x 480dpi 16M color IPS TFT
1.4 Touch	
Touch type & size Glass Multi-touch	G+F+F , Support glove wear touch , 480 x 854 Tempered Glass 5 point touch screen
1.5 Sensor	
Sensor	Light Sensor , G-Sensor , 3D Sensor , Proximity Sensor
1.6 Frequency/Bands	
Network (GSM , WCDMA , FDD , TDD)	GSM:B2 / B3 / B5 / B8 WCDMA:B1 / B2 / B4 / B5 / B8 FDD-LTE:B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B14 / B17 / B20 / B28 (a&b) TDD - LTE:B38 / B39 / B40 / B41
1.7 Camera	
Front& Rear Camera	Back:8M with focus Front:5M Flash Light:real light
1.8 Wi-Fi	
IEEE802.11a IEEE802.11b IEEE802.11g IEEE802.11n WIFI antenna type	Yes (5G) Yes(2.4G) Yes(2.4G) Yes(2.4G&5G) Wi-Fi & BT Coexistence Antenna Impedance 50Ohm
1.9 Bluetooth	
Version Power Level Operation distance	BT v4.0 with BLE, BT2.1 + EDR (Enhanced Data Rate) (Max) Class 2 (Max) 10 meters
2.0 GPS & A-GPS	
GLONASS Support GPS Support AGPS Support GOS antenna Type	Yes Yes Yes Internal FPC antenna
2.1 Speaker & MIC	
Output SPL Receiver MIC Type MIC Sensitivity SIM card Vibrator	2.0W 116dB 1506 Dual Mic With One Noise Reduction Mic -42dB±3 Dual Micro-SIM card Yes

NIS966P TECHNICAL DATASHEET

Feature	Technical Description
2.2 USB	
USB type USB USB: OTG Cable length	Type C More than v2.0 Yes 1.0m
2.3 Earjack Interface Type	M6 Connector
2.4 Indicator LED	3-colors (Red, Green, Blue)
3. MD	
3.1 Size	
Height (H x W x D) Weight IP code Drop Test	142.5 x 72.5 x 25mm 311g IP68 1.5m
3.2 Key buttons	
Key buttons	Channel Knob , PTT , SOS , Power (on/off) , Volume (+/-) , Camera...
4. Battery	
Battery type Battery capacity Removable battery	Li-Po 4500 mAh Yes
5. Charge, Data Interfaces	
5.1 Charging	
Micro USB (For Handset) Battery charging terminal (For Cradle)	Type C Support Customized Cradle
6. Environmental Conditions	
Operating Temperature Storage Temperature Humidity ESD RoHS 6 Compliant	-20°C ~ 60°C -30°C ~ 70°C 20 ~ 90% Contact: ±8KV Air: ±12KV Yes
7. Certification & Safety Spec	
Europe American	CE FCC



NIS610

Netstream IS 610 is a 4G / WIFI Android mobile network radio support DMR function designed for use in a vehicle or as a base station.

The device has a large 5.5" touch screen, four programmable buttons – to assist in easy channel selection between talk groups and a dedicated emergency button which increases user safety.

Other features include the external DMR/LTE antenna for better signal, and external Hand mic interface, support digital hand microphones



5.5INCH VIEWING ANGEL,CLEAR AND LOUD VOICE

Large Screen for easy operation, Clear GPS Location, $\phi 50\text{mm}$ 4 Ω 5W, clear and loud radio grade audio, One-click design MAP, convenient for quick viewing. This android based handheld also supports glove and wet operation, and good for use in public safety, fire department, logistic and mining etc.

DB9 INTERFACE

Support SW Download, Upgrade, External USB Camera, 3.3V Uart, External Speaker.

EXTERNAL DMR & LTE ANETENNA

DMR and LTE antennas can be connected externally, not limited by environment and distance and the signal remains in good condition.

EXTERNAL HAND MIC INTERFACE

4Pin GX16 Hand Mic. Can be well fixed on the machine, not easy to fall off.

NIS610 TECHNICAL DATASHEET

Feature	Technical Description
1.HW SPEC	
1.1 Main CPU & SW	
CPU Android OS Language	MTK6739 Android8.1 Multi-Language
1.2 Memory	
RAM+ROM SD Card	2GB +16GB 64GB
1.3 LCD	
LCD LCD resolution LCD Colors	TFT 5.5" 1280 X 720 dpi WVGA 16M color IPS TFT
1.4 Touch	
Touch type & size Glass Multi-touch	5.5" / Capacitive Coning generation 3 5 point touch screen
1.5 Sensor	
Sensor	G-Sensor/Gyroscope/Compass
1.6 Frequency/Bands	
Network (GSM , WCDMA , FDD , TDD)	<p>EU Version: GSM:850MHz / 900MHz / 1800MHz / 1900MHz WCDMA:B1 / B2 / B5 / B8 TD-SCDMA:B34 / B39 CDMA2000:BC0 LTE-TDD:B38 / B39 / B40 / B41 LTE-FDD:B1/ B3/ B7 / B8 / B20 / B28 (A&B)</p> <p>US Version: GSM:850MHz / 1900MHz WCDMA:B1 / B2 / B4 / B5 (B19) LTE-FDD:B1 / B2 / B4 / B5 (B19) / B7 / B12 (B17) / B13 / B28 DMR:UHF 400-470MHz</p>
1.7 Camera	
Front& Rear Camera	Front:200M
1.8 Wi-Fi	
IEEE802.11a IEEE802.11b IEEE802.11g IEEE802.11n WIFI antenna type	Yes (5G) Yes(2.4G) Yes(2.4G) Yes(2.4G&5G) Wi-Fi & BT Coexistence Antenna Impedance 50Ohm
1.9 Bluetooth	
Version Power Level Operation distance	BT v4.0 with BLE, BT2.1 + EDR (Enhanced Data Rate) (Max) Class 2 (Max) 10 meters
2.0 GPS & A-GPS	
GLONASS Support GPS Support AGPS Support	Yes Yes Yes
2.1 Speaker & MIC	
Output SPL Receiver MIC Type MIC Sensitivity SIM card Vibrator	Φ50mm,4Q,5W 106dB 1506 Dual MIC, DMR POC Use microphone independently -42dB±3 One Push NANO SIM Card Yes

NIS610 TECHNICAL DATASHEET

Feature	Technical Description
2.2 Connector	
Connector Interface	DB9 Connector
2.3 Earjack Interface Type	No
2.4 Indicator LED	3-colors (Red, Green, Blue)
3. MD	
3.1 Size	
Height (H x W x D) Weight IP code Drop Test	190 x 93 x 66mm 486g IP54 Standard
3.2 Key buttons	
Key buttons	PTT,SOS, Channel , Power, Volume...
4. Battery	
Battery type	No
5. Charge, Data Interfaces	DP9
5.1 Peripheral Interface	
External Hand mic interface POWER SUPPLY interface	4pin GX16 Hand mic 12V input voltage
5.2 DMR	
Channel capacity Channel spacing Transmitting Power Operation distance Frequency Stability Sensitivity	16 12.5 / 25 kHz (analogue) 12.5 kHz (digital) 0.5W/2W 2km (max) ± 0.5ppm 0.22 mV (typical)
6. Environmental Conditions	
Operating Temperature Storage Temperature Humidity ESD RoHS 6 Compliant	-20°C ~ 80°C -30°C ~ 90°C 20 ~ 90% Contact: ± 6KV Air: ±8KV Yes
Certification & Safety Spec	
Europe American	CE FCC





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