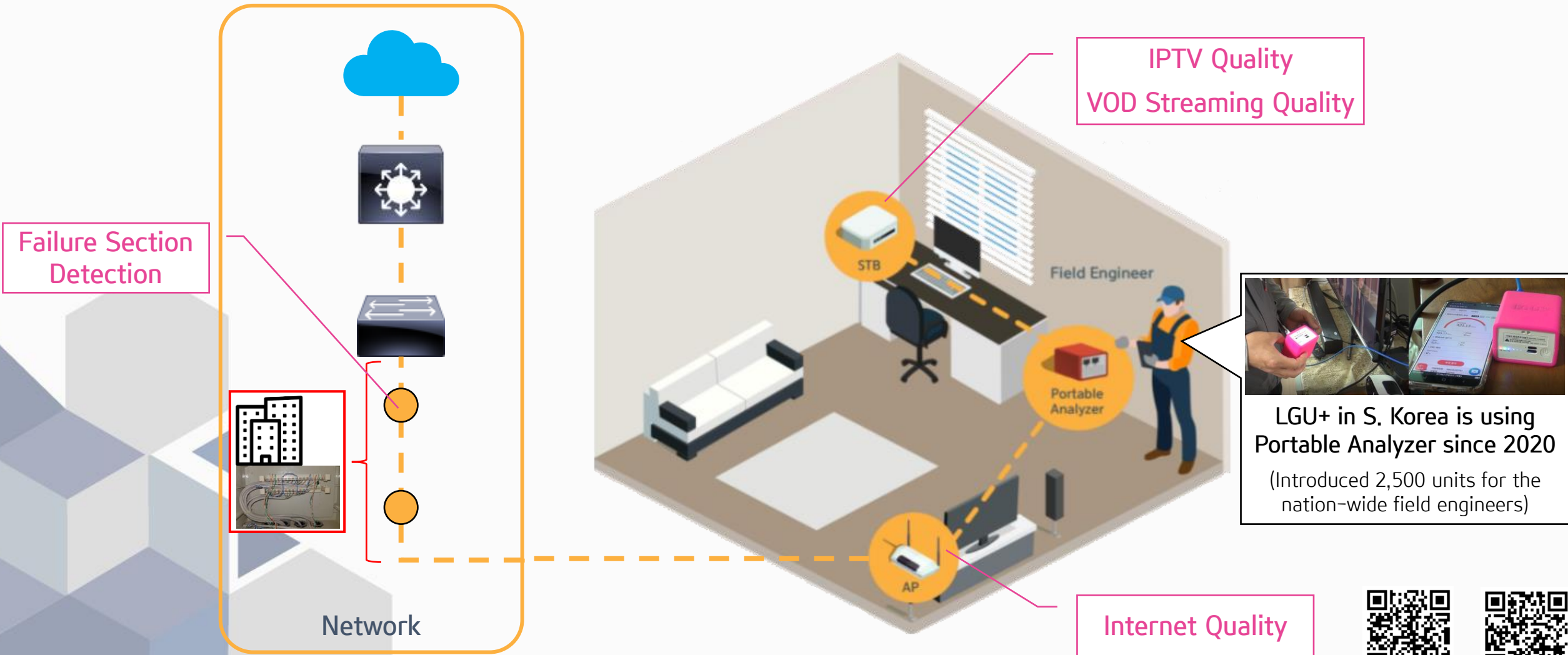


Portable Analyzer Introduction

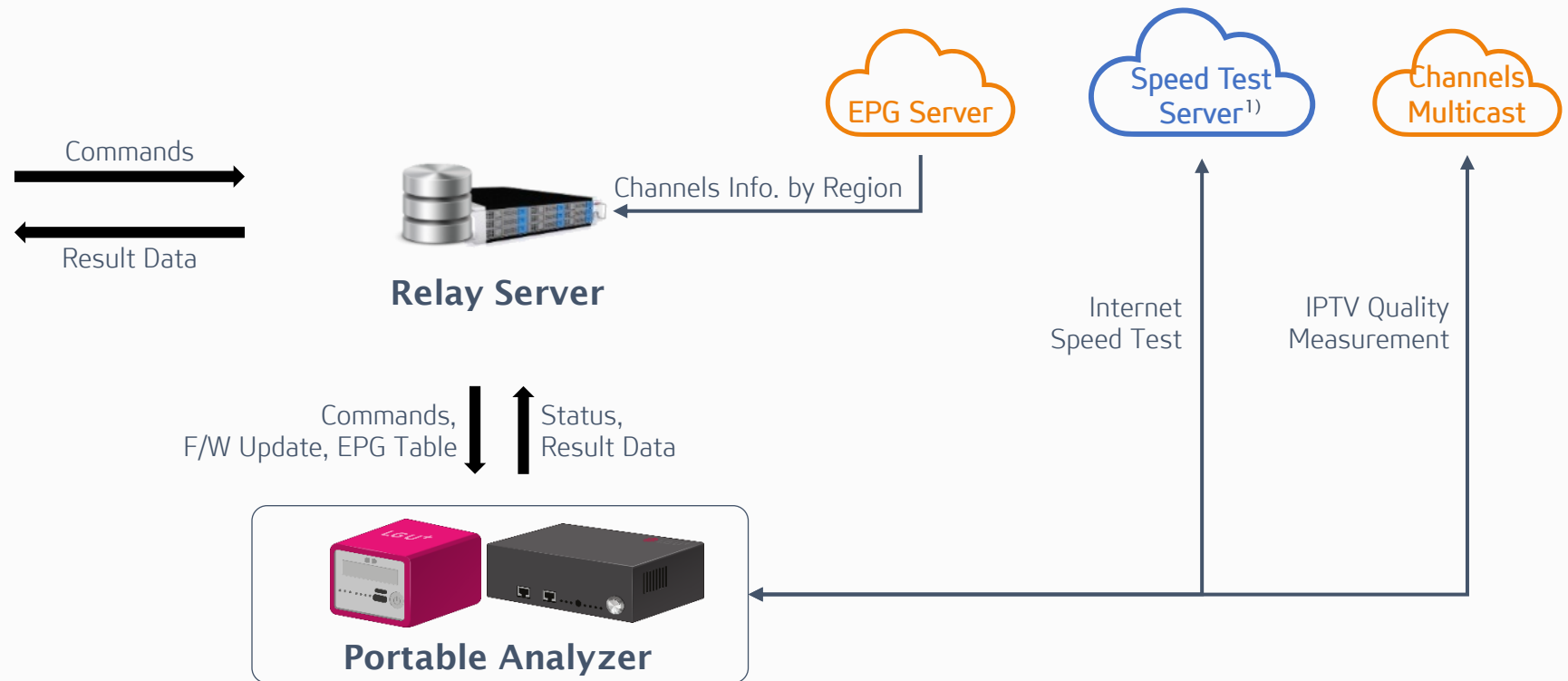
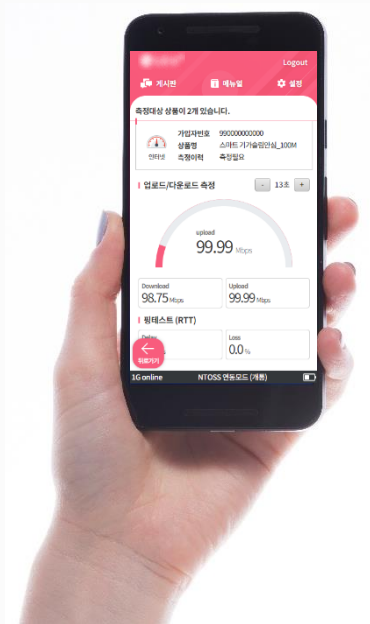
June 2021



“An Essential Tool for Field Engineers to improve Service Quality”



| | 1G Type (NLPA-GN-A) | 10G Type (NLPA-DGN-A) |
|-----------------------------------|---|---|
| | | |
| Base Specifications | <ol style="list-style-type: none"> (1) Size : W61 X H42 X D66 (mm) (2) # of Ethernet Ports : 2 X 1Gbps RJ-45 (3) Includes IR command output (4) Battery : 3.7V 2,500mAh Li-Po (5) Charging : via USB Type-C Connector (5V 1A) | <ol style="list-style-type: none"> (1) Size : W191 X H53 X D124 (mm) (2) # of Ethernet Ports : 1 X 10Gbps RJ-45 + 1 X 1Gbps RJ-45 (3) Includes IR command output (4) Battery : 11.1V 3,300mAh Li-Ion (5) Charging : via USB Type-C (USB-PD Fast Charging) |
| Measurement Specifications | <ol style="list-style-type: none"> (1) Internet Speed Test <ul style="list-style-type: none"> - Upload/Download Speed (Mean, Max) - RTT based Delay, Loss - CRC (RX) Check (2) IPTV Quality Measurement <ul style="list-style-type: none"> - Multicast Join/Leave Duration - RTP Bitrate, Jitter, Error Count - ETSI TR 101 290 1st Priority based MPEG2-TS Analysis - CRC (RX) Check | <ol style="list-style-type: none"> (3) VOD Streaming Quality Measurement <ul style="list-style-type: none"> - Streaming Bitrate - Can detect & ignore Ads (4) Others <ul style="list-style-type: none"> - Remote F/W Updating - Disabling Stolen/Lost Device - Limiting Specified IP out-of-band Measurement |
| Certificates & Others | <ol style="list-style-type: none"> (1) Certificates <ul style="list-style-type: none"> - KC - Passed Environmental Tests (1.5m Drop, -20~60°C Operation, Low Frequency Vibration) (2) Subscribed a Product Liability Insurance | <ol style="list-style-type: none"> (1) Certificates <ul style="list-style-type: none"> - KC - Passed Environmental Tests (0.35J Impact, -20~60°C Operation, Low Frequency Vibration) (2) Subscribed a Product Liability Insurance |



1) Customer can choose one of the following option

- Use NEXTLab's Speed Test Server installed on the Cloud
- Use NEXTLab's Speed Test Server installed on the Telkom Indonesia's infra
- User Telkom Indonesia's dedicated Speed Test Server

Innovation with NEXTLab



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A “Plus” version of Portable Analyzer is going to be released in the upcoming October

| | | | |
|------------------------------------|---|--|---|
| | |  <p>1G (USD 220~) 10G (USD 990~) Portable Analyzer Standard</p> |  <p>Portable Analyzer Plus (USD 400~)</p> |
| Service Quality Measurement | Internet Speed Test (Up/Download, Ping/Loss) | ○ (up to 1/10Gbps) | ○ (up to 1Gbps) |
| | IPTV Quality Measurement (Join/Lv., RTP Stream, MPEG2TS Packet) | ○ | ○ |
| | VOD Streaming Measurement (Bitrate) | ○ | ○ |
| Network Measurement | WiFi Radio Analysis | X | ○ (up to 802.11ac) |
| | Cable Diagnostics (TDR based Cable Length Measurement) | X | ○ |
| | UTP Cable Wiremap Check | X | ○ |
| | Internet Connection Diagnostics (DHCP, CRC Check...) | △ | ○ |
| Composite Measurement | Failure Section Detection | △ | ○ |
| | Cloud Service Quality Analysis (e.g., AWS, Google...) | X | ○ |

