DATA SHEET

ORIGIN RFoG
INNOVATIVE SMATV SOLUTION

THE ULTIMATE SMATV SOLUTION

Consider RFoG Solution to leverage Fiber FTTH infrastructure and deploy a green, cost-effective and super reliable SMATV system in any new high-rise building project

WHAT IS RFoG?

RFoG (Radio Frequency over Glass) is a technology to overlay Radio Frequency on fiber optic cable.

Terrestrial, FM and Satellite antennas installed on building rooftop receive TV channels in radio frequency (RF) format, convert to light beam, broadcast to resident units via building fiber optic cable infrastructure, the light beam then re-convert back to TV channels in RF format for TV connection

Compared to traditional SMATV system which rely on coaxial cable infrastructure, thanks to RFoG, fiber cable now can coexist both broadband internet and SMATV applications.

WORKING WITH RFoG

Ever since fiber optic wiring is mandatory facility provided by developer, RFoG helps huge cost saving by putting 'SMATV over Fiber'. Its green concept consists of only 2 major components, hence lesser point of failure and longest working reliability

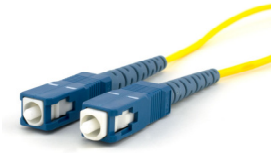
Should developers choose RFoG for next coming up projects ?

Conventional SMATV system does not work reliable for 3 – 5 years. 80% of completed high-rise project receive committee complains about TV signal weak and no signal at all. Building engineer could not locate the exact problem and require experience skillset to perform fine tuning. These shortcoming can be overcome by RFoG Technology

Model RFoG Candidates

- **Condominium** project that offering exclusive package with premium price
- **Apartment** project that consists of 5 to 10 block buildings
- **Rumah Bangsa and Quarter** project which requirement economic yet reliable SMATV system
- **Hotel** building project where fiber FTTH cable is mandatory facility in order to provide 'in-room Wi-Fi' to serve stayed in guest

ORIGIN-RFoG presents itself in market strength as turnkey solution provider, every single component tailored by our R&D department to ensure it quality and long lasting. Our products strictly follow international standard and requirement to ensure adoption to building fiber infrastructure with minimum signal loss and highest efficiency.



Since RFoG and fiber Internet both coexist in building fiber infrastructure, fiber wiring topology design becomes one of the major challenge. ORIGIN technical team's 30+ years in IP networking and wiring design experience help consultant to address the needs of integration. Pre and post support, maintenance stocks always available to maximize connectivity and uptime

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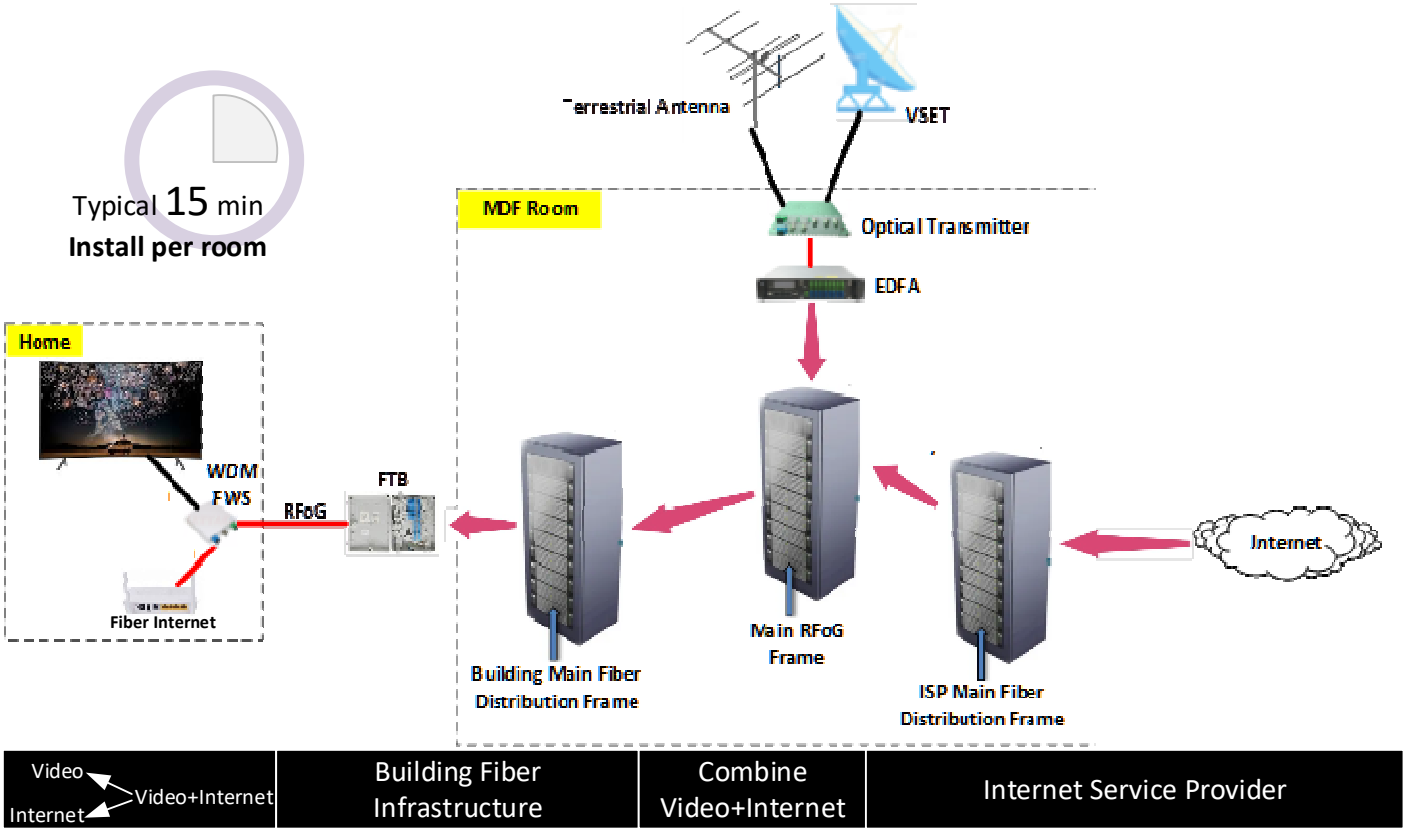
RFoG installation is relatively straightforward and routine – with a typical per room installation time of 15 minutes. After installation, ORIGIN's team use analyser to measure signal gain to make sure within optimum performance for not only TV video channels but also future Internet application, Test Report will be generated by analyser as standard UAT (User Acceptance Test) and submit to project committee during project completion



RFoG KEY BENEFITS :

GREEN TECHNOLOGY

Leverage fiber infrastructure in the building

SIMPLICITY and USER FRIENDLY

Simplest, entire system consists of 2 major components. Installer with minimum training to setup the system

LARGEST SCALE DEPLOYMENT

Design for clustering project which involve multiple blocks of high-rise building with single TV channels source broadcasting to multiple blocks

LONGEST DISTANCE

TV signal travel up to 20KM without any needs of signal boosting. Versus conventional SMATV solution ideally require signal boosting every 50 meter

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SPACE-LESS REQUIREMENT

Since RFoG leverage on building fiber infra, hence require no space to house the splitter, tap, multiswitch and amplifier in every floor ELV Riser Room

MOST RELIABLE AND STABLE TECHNOLOGY

Require very minimum knowledge to routine support the system, wear and tear device, require no special tool set and analyser for signal tuning

MOST ECONOMIC

Innovative and guaranty economic SMATV solution ever

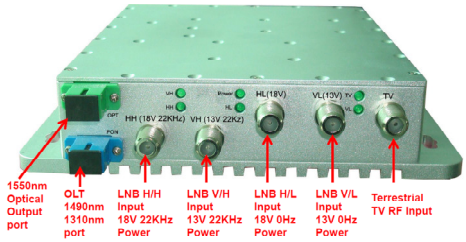
SCALEABLE AND EXTENDABLE

Minimum 2048 residence units supported with single EDFA

PRODUCT LINES

EDFA

Optical Transmitter



FWDM Patch Panel

FWDM Optical Receiver

Company Name :

Address and Contact :