

DVB-T/S & FWA Extension over Coax

G.hn Wave 2 over Coaxial | 2500Base-T | PoC | PoE+ | Triplexer

GCA-6014 & GCA-6014PoE



Comtrend's GCA-6014 & GCA-6014PoE are designed for 5G NR/4G LTE extension from outdoor to the end user's home for sharing the coaxial cable with DVB-S/DVB-T, and to solve the 5G NR/4G LTE installation without local electricity issue. The GCA-6014 is an indoor device that offers sufficient power over the coaxial cable to the GCA-6014PoE at the outdoor site. The GCA-6014PoE is an outdoor transfer station with 802.3at (30 watts) PoE to power the 5G NR/4G LTE and transform the broadband data network to indoors. The GCA-6014 and GCA-6014PoE also transform the DVB-S 13/18V Voltage between the STB and LNB without any impact to the video service.

Higher Cost Efficiency and Easy Installation

Using GCA-6014 and GCA-6014PoE reduces the extra cable installation expense and saves time for the end user to utilize the over gigabit broadband service. The GCA-6014PoE is IP55 designed to be more waterproof and dustproof to secure the service quality.

KEY FEATURES

- **Connects outdoor 5G NR/4G LTE** LAN Port to the house without new cable installation
- Supports **2.5Gigabit LAN** ports providing high-speed connectivity
- **Co-exist with DVB-S/DVB-T** over the single coaxial cable and compatible with DiSEqC 1.x/2.x Standards
- **PoC (Power over Coaxial)** for outdoor devices powering over 50 meters (164 feet)
- Supports **IEEE 802.3at (30W)** and 802.3af (15W) Power over Ethernet (PoE) standards
- **Easy plug-and-play**
 - Desktop or wall-mounted installation (GCA-6014)
 - IP55 grade dustproof & waterproof for outdoor installation (GCA-6014PoE)

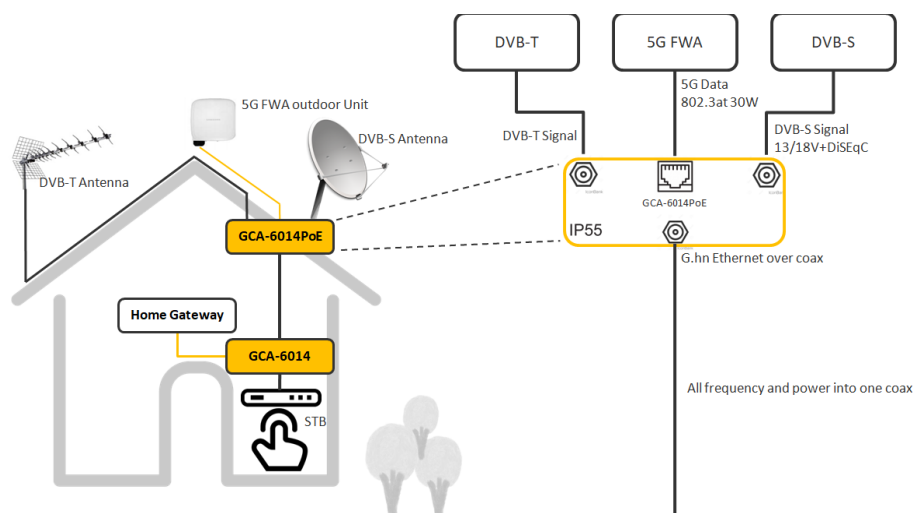
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SPECIFICATIONS

HARDWARE		
Ports		1 Port RJ-45 2500Base-T, 3 Port F-connector (GCA-6014) 1 Port RJ-45 2500Base-T PoE Port, 3 Port F-connector (GCA-6014PoE)
LED Indicators		Power, (G.hn) Link, LAN (GCA-6014 & GCA-6014PoE)
Power Input		100-240V AC, 50-60 Hz (GCA-6014)
Dimensions (L x W x H)		165 x 165 x 60 mm (GCA-6014), 245 x 120 x 45 mm (GCA-6014PoE)
POWER OVER ETHERNET (GCA-6014PoE)		
Standard		IEEE 802.3af, IEEE 802.3at
Power Output		DC53V/0.55A
TRIPLEXER SPECTRUM		
DVB-S/ DVB-T/ G.hn		950MHz ~ 2150MHz / 174MHz ~ 790MHz / 5MHz ~ 150MHz
ENVIRONMENT		
Operating Temperature	GCA-6014	Operating: 0°C ~ 40°C (32°F ~ 104°F)
	GCA-6014PoE	Operating: -10°C ~ 55°C (14°F ~ 131°F)
Storage Temperature		-40°C ~ 70°C (-40°F ~ 158°F)
Humidity		Operating: 10 ~ 90% RH, non-condensing / Storage: 5 ~ 90% RH, non-condensing
STANDARDS COMPLIANCE		
Standards		IEEE 802.3u 100BaseTX Fast Ethernet / IEEE 802.3ab 1000BaseT Gigabit Ethernet / IEEE 802.3bz 2500BaseT 2.5Gigabit Ethernet IEEE 802.3af Power Over Ethernet (PoE) / IEEE 802.3at Power Over Ethernet Plus (PoE+) ITU-T G.9960/9961/9962/9963/9964 Unified high-speed wireline-based home networking transceivers
Certifications		FCC, CE Class A

APPLICATION DIAGRAM



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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.