

ASTRO 25

DCG 9000 DYNAMIC CHANNEL GATEWAY

SITE EQUIPMENT INTERCONNECTIVITY



ASTRO® 25 SYSTEMS SOLUTIONS ARE DESIGNED TO PROVIDE MISSION-CRITICAL COMMUNICATIONS WITH MAXIMUM FLEXIBILITY FOR CONFIGURATIONS.

The DCG 9000 is a multi-purpose network communication device designed to interconnect multiple radio sites and dispatch consoles configurations within ASTRO 25 systems.

Interconnect ASTRO 25 systems and site equipment for advanced capabilities, or connect to third-party site equipment with the P25 Digital Fixed Station Interface (DFSi) interface and get standard P25 functionality. Support for both digital and IP analog channels can give you the flexibility you need today with the confidence that you are protected for future expansions. Shipped with a universal power kit and a 19 inch equipment tray, the DCG 9000 is easy to install and service.

CONNECTIONS

- Dispatch consoles
- Conventional sites
- Trunking sites
- IP simulcast prime site
- IP simulcast remote site
- Hub site or C-Sub
- Conduit hub site

VOICE CALLS

- Digital voice call, encrypted or clear with PTT ID
- IP analog voice call

SUPPORTED DISPATCH CONSOLES

- MCC 7100
- MCC 7500

RADIO CONTROL - DISPATCH CONSOLE TO SUBSCRIBER

- Status query
- Channel selection command
- Squelch control command
- Repeat on/off
- Radio check
- Radio inhibit/uninhibit
- Radio unit monitor
- Call alert

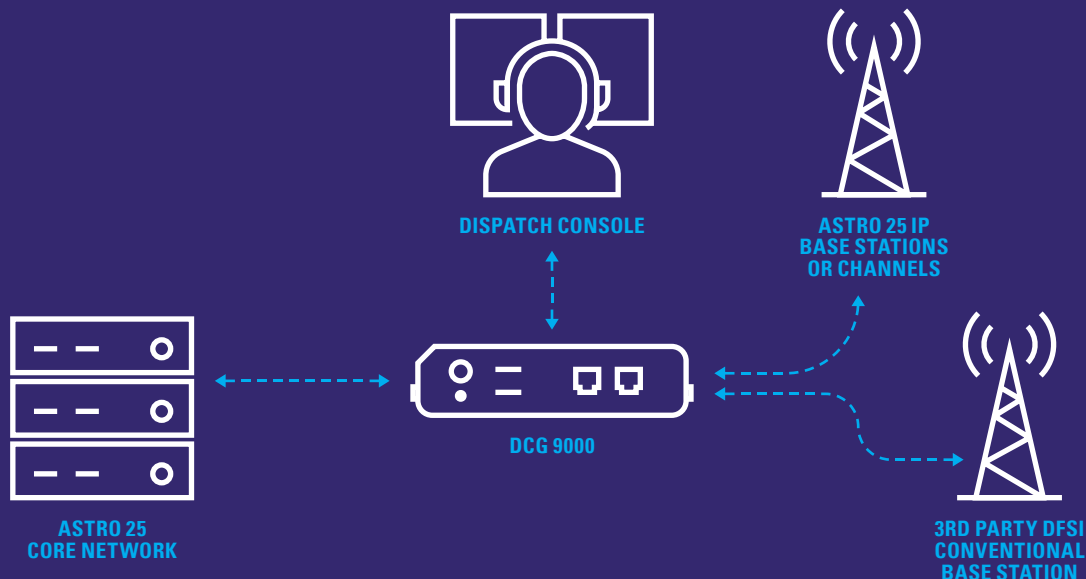
RADIO CONTROL - SUBSCRIBER TO DISPATCH CONSOLE

- Call alert
- Status update
- Message update
- Emergency alarm

STATION CONTROL

- Frequency select
- Repeater on/off
- Monitor on/off
- Wildcard 1 on/off
- Wildcard 2 on/off





PRODUCT CONFIGURATION

Enclosure
 Power supply (AC switch-mode external PSU)
 19 in rack equipment tray (1 RU required)

PHYSICAL SPECIFICATIONS

Dimensions (WxDxH) 139 x 116 x 36 mm (5.5 x 4.6 x 1.4 in)
 Housing only: not including power supply and tray.

Weight 1.5 lb (0.7 kg)

Sealing IP40

Acoustic Noise None (passive cooling, solid-state drives)

Power Consumption Typical: 5.9 W
 Maximum: 10.6 W

AC Power Input 100V to 240V, 50/60Hz to external PSU
 12 VDC connection to unit (locking connector)

ENVIRONMENTAL SPECIFICATIONS

Temperature -20 °C to 60 °C (-4 °F to +140 °F) - operating
 -40 °C to 60 °C (-40 °F to +140 °F) - storage

Humidity TBD

Shock and Vibration 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
 30 G, IEC 60068-2-27, half sine, 11 ms duration

REGULATORY APPROVALS

RoHS, WEEE, EMC

EMISSIONS CLASSIFICATION (EMC)

FCC Rating Class B

Normative Standards CE/FCC Class B (w/o RF) with base model only



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