IDAS™ trunking features
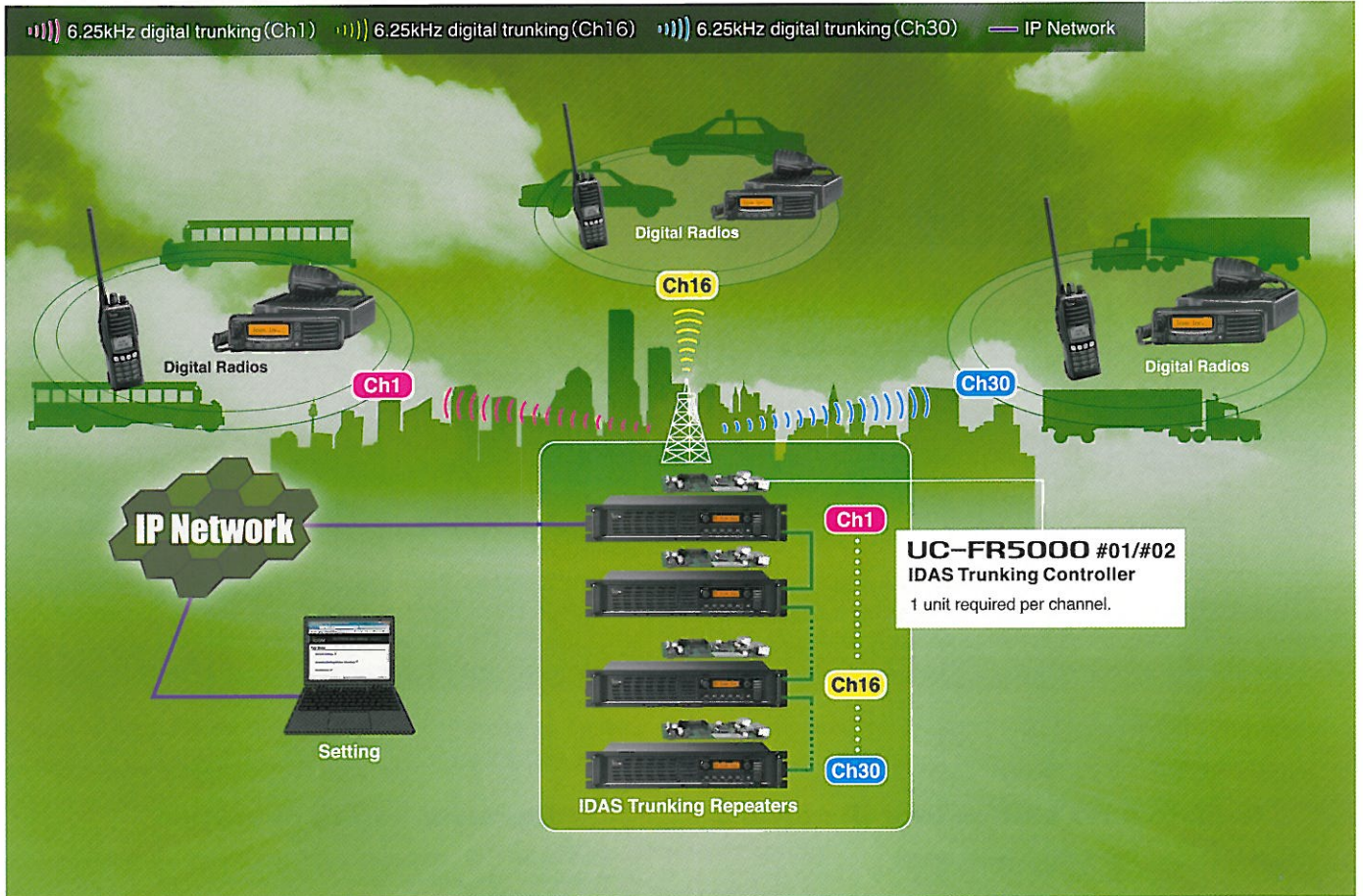## IDAS™ trunking for efficient channel management

Shares up to 30 channels with a large number of users

6.25kHz digital trunking (Ch1) 6.25kHz digital trunking (Ch16) 6.25kHz digital trunking (Ch30) IP Network

UC-FR5000 #01/#02
IDAS Trunking Controller
1 unit required per channel.

IDAS Trunking Repeaters

Distributed control channel

The IDAS trunking system is a distributed system (similar to the analog LTR™ trunking) which does not have a dedicated control channel. Trunking channels can be used for voice channels to share more effectively with a large number of users.
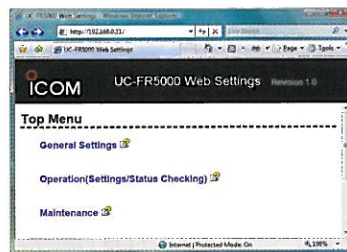
Number of unit ID and talkgroup ID

The IDAS trunking system can have up to 30 channels (RF units) per site. The system has the potential ability to handle up to 2000 unit ID codes and 2000 talkgroup ID codes per home channel. The practical number of users in any one system (site) may vary due to many factors, but the IDAS trunking system is designed to be used by up to 100 to 200 users (radios) per channel.

Please note: The IDAS multi-site trunking/IP networking system is not available at this time. It will be release in the future.

Web browser configuration

All of the UC-FR5000 configurations can be made via a Web browser.

Secondary home channel

If the home repeater fails, the system automatically switches to a secondary repeater/channel for backup operation.

Area bit setting

If there are two IDAS trunking systems using the same frequency within a close area, the area bit setting allows the trunked radios to identify its own repeater site.

Two RF modules in one unit

The IC-FR5100 series uses only 2U height and has an internal space for installing another RF module. The optional UR-FR5100 series RF module can be installed in the chassis to save installation space.

*For a two channel IDAS trunking repeater, an optional UC-FR5000 (#01/#02) is required for each channel.

UC-FR5000, IDAS Trunking Controller

UR-FR5100 series, Channel Module

2 channel IDAS trunking repeater