



RMA-A²C AP

Alternative access to 5G Core

DESCRIPTION

Enabling 5G services and supplementary 5G coverage extension via legacy Wi-Fi access (non-3GPP access).

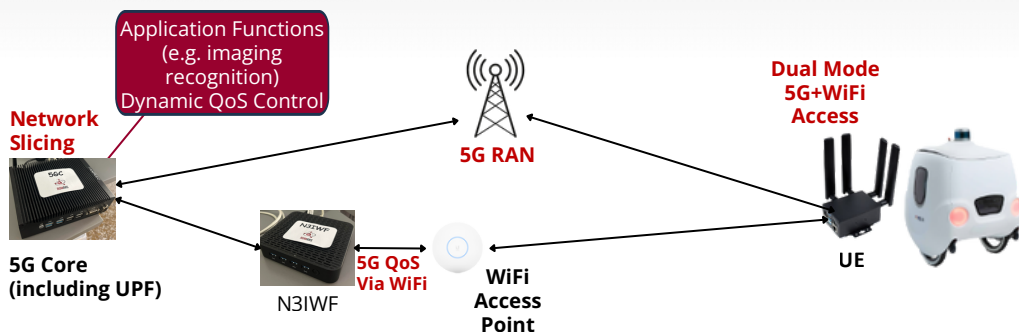
TECHNICAL OVERVIEW

Non-3GPP Access

RMA-A²C represents the enhancement of the WiFi access with a Non-3GPP Inter-Working Function (N3IWF) component, in charge of adapting access and authentication protocols of User Equipment (UE) towards the 5G Core (5GC) via Wi-Fi.

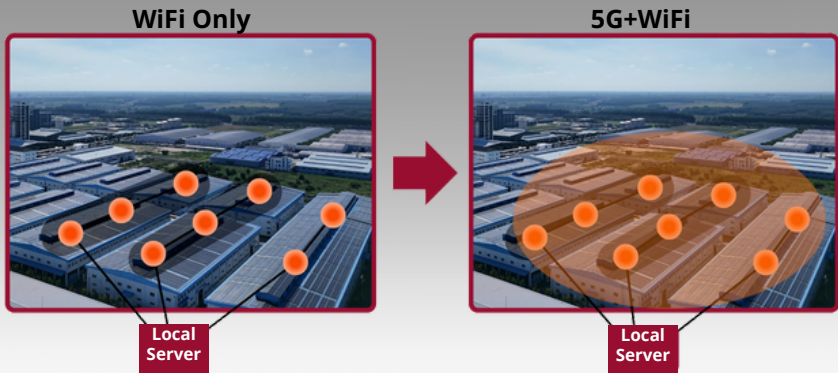
Access Traffic Steering, Splitting and Switching

Combined use of 5G and Wifi to extend coverage and implement tailored multi-access strategies in compliancy to 3GPP specifications. Customized private-5GC with UPF supporting multi-path management. Possible extensions to other access technologies (i.e. satellite megaconstellations) and support for “5G trusted” advanced methods.



REFERENCE SCENARIO AT A GLANCE

RMA-A²C ENHANCED PRIVATE 5G COVERAGE IN BIG FACTORIES



WI-FI + 5G MOBILE APPLICATIONS WITH LOCAL PROCESSING

WiFi and 5G
Connectivity

Processing Power



HD CAMERA

Applications:

- Self driving
- Error free logistic
 - Autonomous picking
 - Automatic Inventory and connection with ERP
- Quality control of goods
- Safety (man down, safety-dress compliancy)

ROMARS-A²C USER EQUIPMENT EXAMPLES

Characteristics

Modem 5G + WiFi compliant N3IWF

MODEM
(CPE)



TABLET





WHERE WE ARE



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Rome, San Giovanni



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