Advantech Industrial Wireless Solutions

Enjoy Wireless Mobility and Flexibility for Versatile Industrial Applications

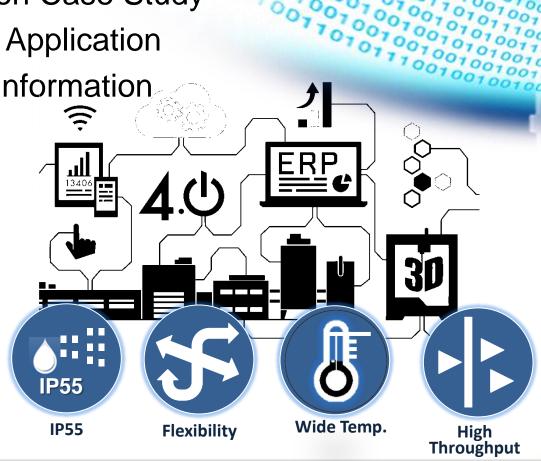


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EKI-6331AN Product Introduction



■ WEP/WPA/WPA2 Enterprise/ IEEE 802.1 x authentication security support

■ Fassive 24V PoE input
■ 15-24 VDC power input of main body

■Supports IEEE802.11a/n wireless standards

- •High throughput rate: 3 times higher than 11a
- •Prevent RF interference from 2.4Ghz
- External R-SMA connector for an optional antenna (dipole antenna as default)
- MIMO 2x2 to enhance the wireless communication quality

■Supports up to 2.9Km with distances and keeps over 100Mbps data-rate communication

 IP-55 protection grade
Wide operating temperature range: -20~70°C



EKI-6332GN Product Introduction

С С ANATFI ■ WEP/WPA/WPA2 Enterprise/ IEEE 802.1 x authentication security support

■ Passive 24V PoE input ■15-24 VDC power input of main body ■Supports IEEE802.11b/g/n wireless standards

- External R-SMA connector for an optional antenna (dipole antenna as default)
- MIMO 2x2 to enhance the wireless communication quality

■Supports up to 2.9Km with distances and keeps over 100Mbps data-rate communication

 IP-55 protection grade
Wide operating temperature range: -20~70°C



Flexible Installation



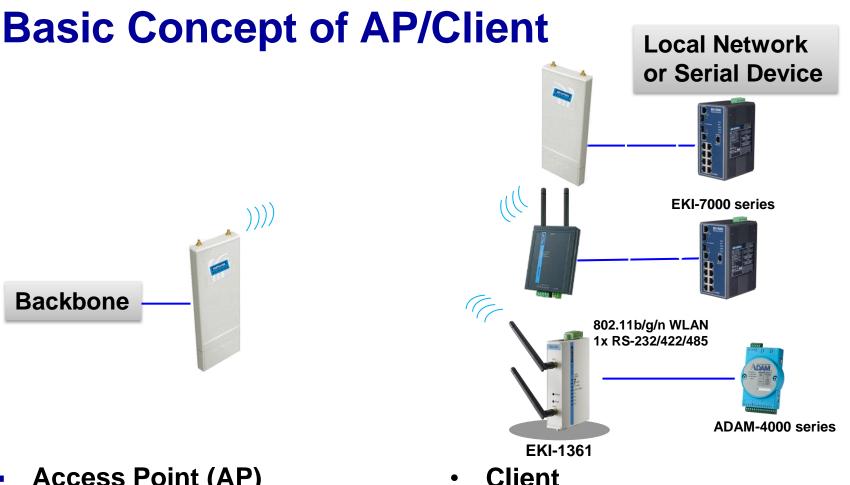
Pole-Ring Installation



Powered by Passive PoE







- Access Point (AP)
 - A wireless hub
 - Service wireless clients
 - Provide filtering and security

- Wireless Device
- Wireless bridge for sub-networks
- Capable of roaming between APs



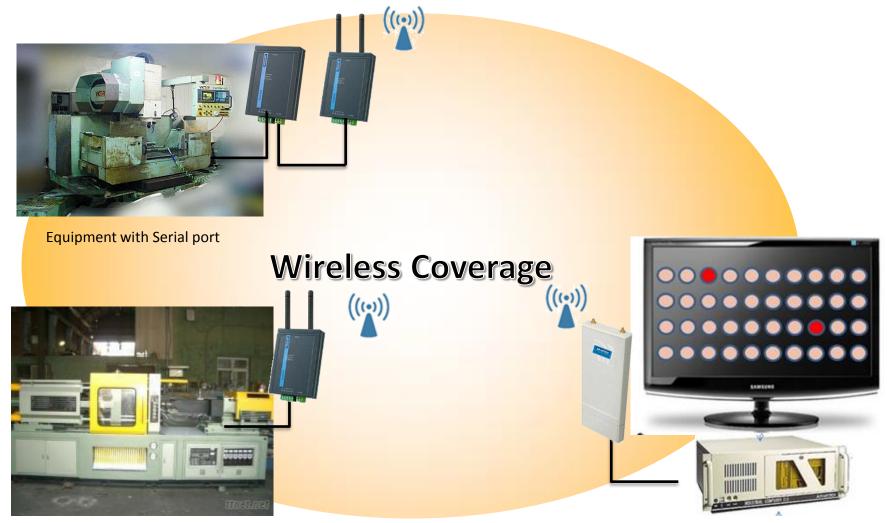
WDS/Bridge Concept



- WDS (Wireless Distribution System)
 - Bridging APs
 - Wirelessly connect multiple BSS and LAN
 - Fixed location communication



Basic Wireless Coverage Application



Equipment with Ethernet port



Warehouse Appliation

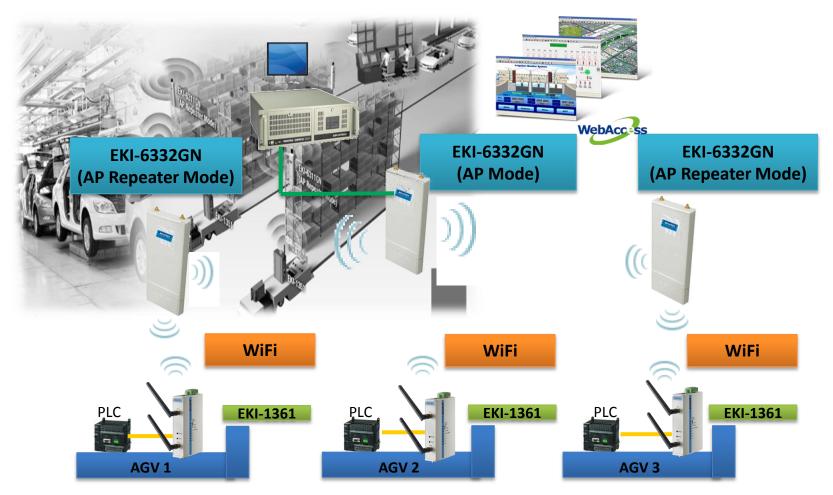
- Client-Based Roaming
- Supports EKI-6332GN / EKI-136x standard series
- Under 100 ms roaming (OPEN / WEP)
- Supports three roaming channels
- No proprietary protocol or AP required
- One click to enable
- No performance drops



EKI-1362 Wireless Device Server



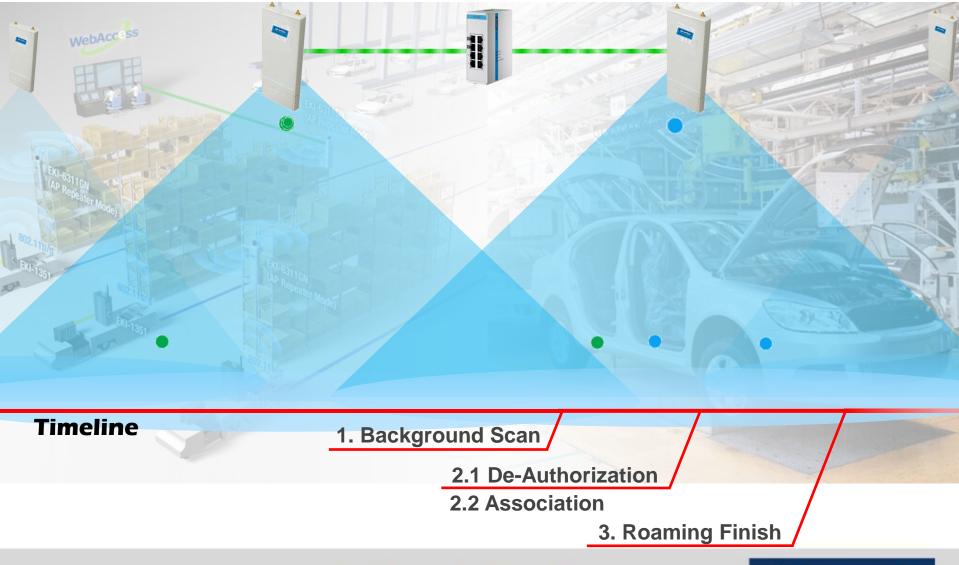
AGV Application



In a wireless network, roaming is the handover of client devices as they move from one AP to another AP (or between coverage areas).



Fast Roaming Function



Enabling an Intelligent Planet

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Focus Application- WLAN



Factory Automation

- Remote monitoring
- Wireless coverage for environment is hard wiring
- AGV or warehouse



Renewable Energy

- Harsh environment
- Need to manage remote equipment



Harbor

- Point to point long range communication
- Need to collect realtime data from remote site in distributed location

