

# ONEAir1

## High Density Business WLAN Access Point

The OneAir1 enriches the ONEACCESS corporate WLAN product portfolio with a secure and highly compact enterprise-grade WLAN access point. The OneAir1 provides an embedded 802.11b/g WLAN access point and is fitted with 2 Ethernet interfaces. The OneAir1 perfectly fits the requirements for small and medium-sized businesses providing the same WLAN functions as the ONE router products. The OneAir1 devices require an access point controller embedded in the ONE business router.



### WIRELESS LAN EXTENSION

A small office (2-10 people) of an enterprise customer can be covered with only one or two WLAN access points. However, a wireless LAN extension with multiple WLAN access points is mandatory to guarantee good WLAN coverage for medium to large size offices (e.g. 10-150 people). The OneAir1 bundled with the access point controller provides the ideal solution to extend the WLAN coverage through out the complete customer premises.

### MOBILITY

WLAN networks installed in enterprises increase the freedom and mobility for their employees. An enterprise class WLAN infrastructure can be achieved by using the OneAir1 WLAN access points. The WLAN users can securely move around the office premises using WLAN enabled client devices.

### SECURITY

The OneAir1 implements many basic to advanced enterprise class security wireless LAN functions like IEEE 802.11i, 802.1x, WPA2, WEP64/128 and access control lists. Assigning multiple SSID allow separating user groups from each other or creating multiple sub-networks.

### EASY INSTALLATION

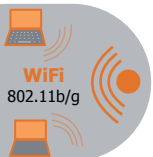
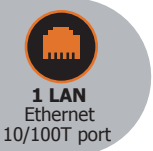
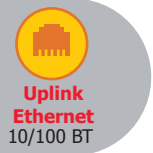
The OneAir1 devices will be automatically discovered and provisioned by the access point controller. After the automatic firmware and configuration upgrade procedure, the OneAir1 automatically chose the radio channel and is operational.

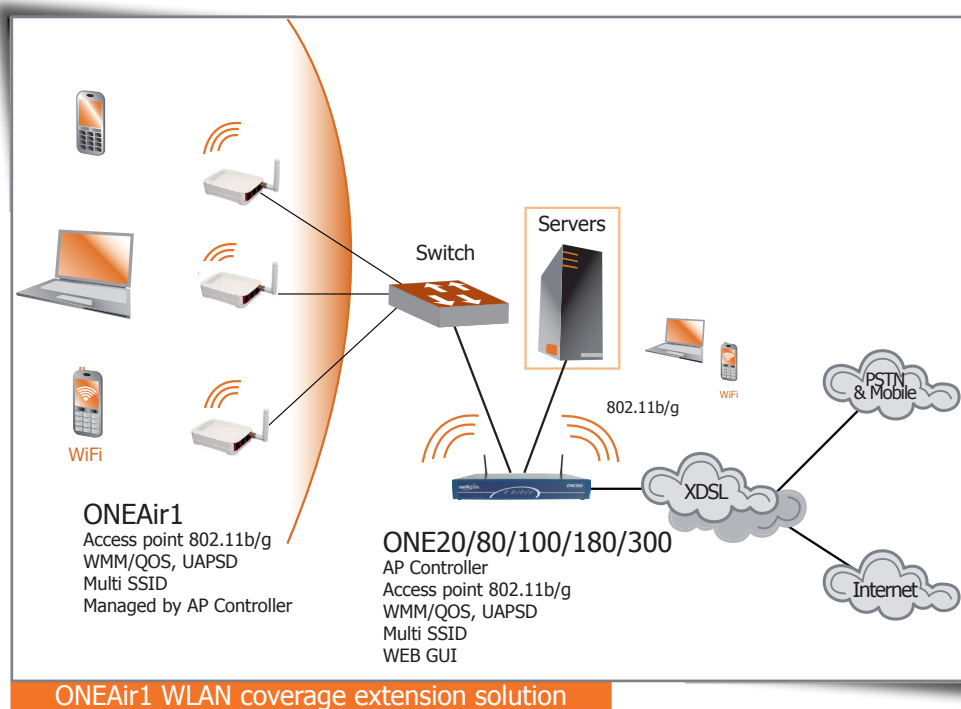
### QUALITY OF SERVICE

One of the main focus lies on quality of service that becomes more important in unified network architectures with mixed voice and data traffic. The OneAir1 therefore supports WMM QoS and allows to mapped all the WMM classes on to corresponding Ethernet QoS classes or VLAN priorities so that end-to-end QoS can be guaranteed for high-priority, delay-sensitive applications like voice communication. The OneAir1 implements multiple mechanism like legacy power save and UAPSD to extend the battery life of nomad user device (Laptop, PDA, WLAN phone, dual phone...).

### MANAGEMENT

The OneAir1 WLAN access point can be remotely managed through the access point controller / using the industry's standard command line interface (CLI). The configuration and firmware of the OneAir1 is automatically updated by the access point controller embedded in the ONE router products. It provides a lot of advanced troubleshooting mechanisms. Due the access point controller architecture the OneAir1 can be easily integrated into the same central provisioning system as the ONE business routers.





## ONEAIR1 SPECIFICATIONS

### Product Architecture

- WAN Ethernet Uplink
  - 10/100 Mbps, half/full duplex with autosensing
  - Link status and activity LED
- LAN Ethernet Port
  - 10/100 Mbps, half/full duplex with autosensing
  - Link status and activity LED
- Wireless LAN
  - 802.11b/g
  - Single Antenna: 2dBi, detachable
  - Link Status and activity LED
  - Station Association LED

### Wireless Features

- Frequency band: 2,4GHz
- Channels: 13
- 802.11g data rate: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps
- 802.11b data rate: 1, 2, 5.5, 11Mbps
- 802.11 b/g Compatibility mode or pure 802.11g or pure 802.11b
- Software selective data rate and transmit power
- 4 SSID

### Wireless Security Features

- WPA-PSK, WPA2-PSK
- 802.1x WPA, 802.1x WPA2
- Encryption: TKIP, AES
- WEP 64 bits, 128 bits (Open, Shared)
- Radius client authentication for EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, EAP-SIM
- Access Control Lists

### Wireless Quality of Service

- WMM QoS
- UAPSD

### Layer 2 Features

- Disable intra SSID traffic forwarding
- Native VLAN (per SSID)
- QoS mapping on VLAN 802.1p

### IP Addressing

- DHCP Client

### Management

- Industry standard Command Line Interface (CLI)
- Auto configuration and firmware update
- Telnet, SSH
- Trace Route, Ping, extended ping
- Global statistics screens (console)
- Event and trace buffering
- Syslog client
- Exclusively managed by an Access Point Controller embedded in the ONE business router

### Physical Specifications

- Dimension (HxWxD): 90 x 60 x 146 mm
- Unit Weight: 100g

