

Example: High-availability WLAN for Internet guest access, service and admin

Hotel guests enjoy a high-speed WLAN hotspot throughout the whole hotel, including the annex as well. They receive the Internet access data as a voucher, which is printed out from the receptionist's PC. On-line time can be booked flexibly according to the customer's needs, and there is a variety of billing options (prepaid, external

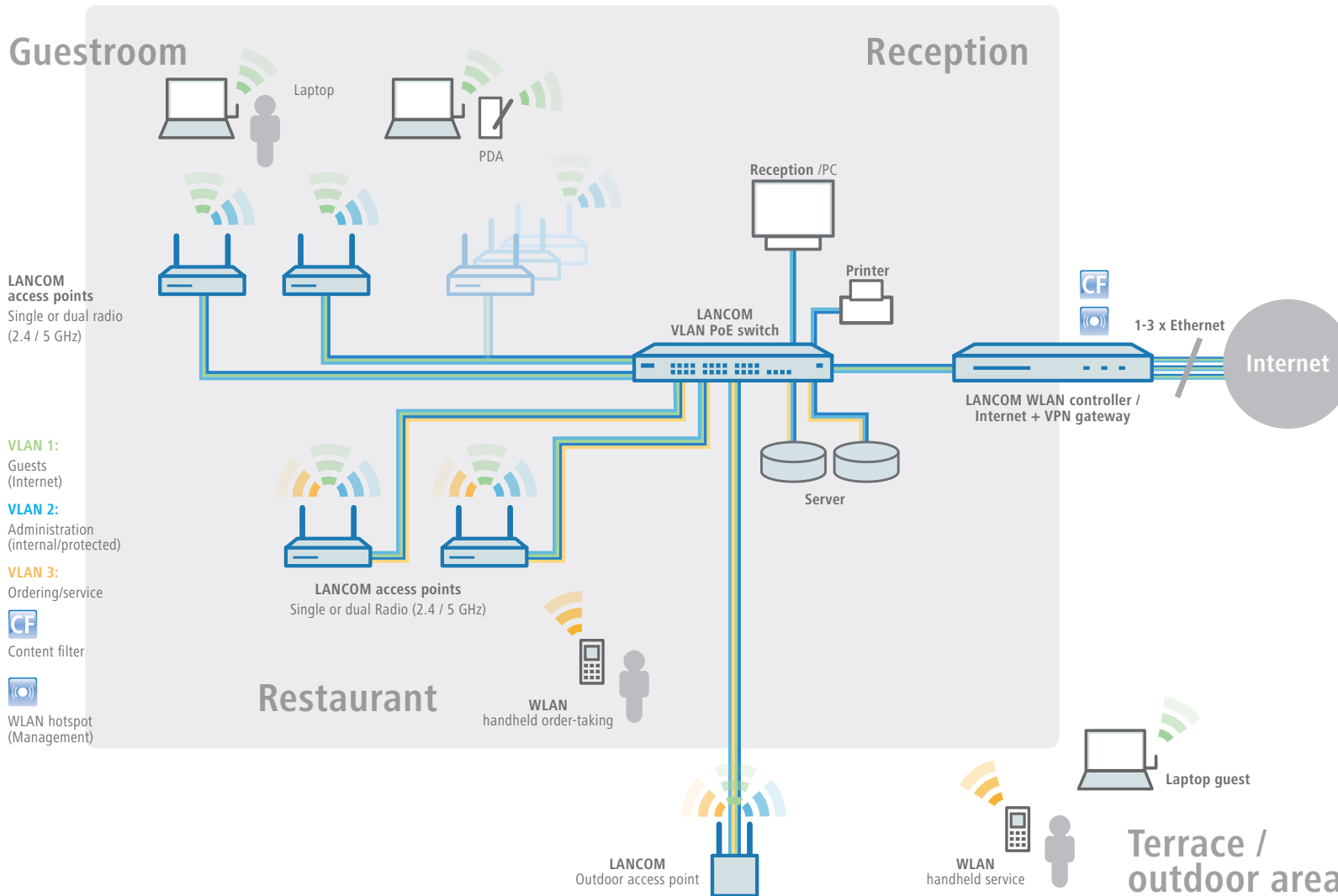
billing systems, etc.). Some hotels decide to offer free Internet access, which is possible because the hotspot is independent of external providers. The content filter enables undesirable Internet content to be selectively blocked.

In the restaurant and on the terrace, waiters and waitresses record their orders with mobile handhelds, which transmit the orders directly to the kitchen and make an entry into the checkout system. This saves time and optimizes the processing of the orders.

Admins have full access to all important data from anywhere in the hotel by laptop. If required, it is even possible to use the same infrastructure for migrating to IP telephony. All applications work on the same WLAN and LAN, but virtualization and firewalls keep them securely separated.

Access point management, the WLAN hotspot, Internet access and the web content filter are all handled by a central, highly integrated WLAN controller. This saves on the costs of purchasing and operating numerous separate devices. Greater bandwidths can be provided as the WLAN controller bundles 3 WAN connections.

Many hotels have annex buildings or belong to a chain. A VPN ensures that site connectivity between all of the sites and buildings remains completely secure.



- 3 to 1,000 access points*
- Power supplied to the access points via PoE
- Up to 3,000 WLAN clients* (2.4 & 5 GHz)
- Up to 120 Mbps net per radio cell
- Up to 8 separate applications in the WLAN (VLAN, Multi-SSID)
- Hotspot function
- Web content filter
- Load balancing of 3 WAN connections (with external modems)
- Inter-site networking via VPN

* upgrading possible with additional WLAN controllers