DuraTime Wi-Fi

WF12LCDA Analog Wi-Fi Smart Clock

DuraTime Wi-Fi clocks provide highly reliable, synchronized time with your time server. This easy-to-install clock is designed to work in concert with your Wi-Fi Network.

Using our power saving processor that checks for a time update between 19:00 and 22:00 every day, the DuraTime Wi-Fi Smart Clock will not overwhelm your network. Using ultra-low bandwidth, random access Wi-Fi operation our Dura-Time Wi-Fi Smart Clock provides up to 3 years of battery life reducing maintenance costs. Three AA batteries are required. BRG recommends Energizer AA Lithium batteries.

The BRG Wi-Fi Smart Clock automatic adjusts for daylight savings time, displays the date, day of the week, temperature (C/F), Wi-Fi Signal strength, Daylight Savings Time Indicator (on/off) and Battery life. The second hand can be disabled during closed hours to conserve additional battery life.

Utilizing a smart phone, there is minimal set-up time for installation of the clock(s). There are six simple steps:

- Pull the locking pin on back of clock and install 3 - AA Lithium Batteries
- Open the Wi-Fi settings on a smart phone
- Find the network named "WiFiClock_22d3" and press the "Connect" button
- Open your network browser and enter the address: 192.168.4.1
- Once the clock configuration web page displays, select the "Network" button to enter the network menu
- Press the "Refresh" button, then pull down the "Router" list and select the desired router and then press the "Connection button to edit the clock settings

WF12LCDA - Wi-Fi Smart Clock LCD Display

WF12LCDA - 12" Silver Wi-Fi Smart Clock

Features

- Operates 3 years between battery changes
- Uses only 3 common AA Lithium batteries
- Synchronized with the time standard
- Random network access greatly reduces network loading
- Ultra-low 2.4 GHz Wi-Fi bandwidth
- Automatically adjusts for Daylight Saving Time
- Displays the month, numerical date, day of the week, temperature in Celsius or Fahrenheit, Wi-Fi sync, daylight savings time indicator and battery life status.
- Mounting hardware included
- Hour, minute and second hands
- Internal Antenna
- Poly carbonate crystal with silver plastic housing
- FCC Compliant per FCC part 15, Section 15
- Clocks are configurable to receive time from in-house time servers.
- Synchronization status on LCD screen
- Clocks are compatible with common ping monitoring programs
- Clocks may be factory configured for ease of installation

DuraTime Wi-Fi

WF12LCDA Analog Wi-Fi Smart Clock

Wi-Fi Technical Features

- Built-in password protected web interface – Settings for host name, authentication control, credentials, NTP Server name or IP address, NTP retries, Baud rate, webpage time format, time zone support, configurable daylight saving time rules, and more.
- 802.11 b/g/n/e/i support.
- Wi-Fi Direct (P2P) support.
- P2P Discovery, P2P GO (Group Owner) mode, GC(Group Client) mode and P2P Power Management.
- Infrastructure BSS Station mode / P2P mode / SoftAP mode support.
- Hardware accelerators for CCMP (CBC-MAC, counter mode), TKIP (MIC, RC4), WAPI (SMS4), WEP (RC4), CRC.
- WPA/WPA2 PSK, and WPS driver.
- Additional 802.11i security features such as pre-authentication, and TSN.
- WMM power low U-APSD.
- Multiple queue management to fully utilize traffic prioritization defined by 802.11e standard.
- UMA compliant and certified.
- 802.1h/RFC1042 frame encapsulation
- Scattered DMA for optimal CPU off load on Zero Copy data transfer operations.
- Clock/power gating combined with 802.11-compliant power management dynamically adapted to current connection condition providing minimal power consumption.
- Adaptive rate fallback algorithm sets the optimum transmission rate and Tx power based on actual SNR and packet loss information.
- Automatic retransmission and response on MAC to avoid packet discarding on slow host environment.

Environmental Specifications

- Operating and Storage Temperature: 40F to 130F
- Relative Humidity: 0% to 95%, non-condensing

Compliance

- FCC Part 15 Class B
- ROHS

Ordering Information

WF12LCDA - 12” Silver Plastic Analog Clock
battery powered

BRG PRECISION PRODUCTS
600 N River St
Derby, KS 67037
800-295-0220
316-788-2000
sales@brgproducts.com
www.DuraTimeClocks.com