

# 6310-DX

## Cellular Extender



### The Simplest and Most Affordable Way to Eliminate Downtime

Add instant business continuity to any location with primary or backup LTE connectivity on the Accelerated 6310-DX Cellular Extender. Protect your business and investment with a simple solution to avoid network disruptions and outages, as every minute of network downtime costs you time and money, which can impact your customer service, sales, and brand reputation.

The 6310-DX Cellular Extender provides a reliable and scalable business continuity failover solution that works with your network and devices at any location, and is powered by Accelerated's suite of upgradeable CORE Plug-In LTE modems featuring dual SIM cards and Carrier Smart Select™ to automatically switch between carriers. Upgrade your modem any time, and change to LTE-advanced, standard LTE, or LTE with EV-DO fallback without replacing your extender.

DUAL-SIM SUPPORT WITH  
UPGRADABLE LTE CELLULAR MODEM



### Reliable Connectivity Options Certified by All Major U.S. Carriers

Accelerate your networking solutions and eliminate downtime with the 6310-DX that features multiple WAN connectivity options (Ethernet or cellular) with load balancing and failover. With the Accelerated CORE Plug-In modem, the 6310-DX can connect to mobile networking using the 4G LTE standard that best suits its given use case.

Larger locations and data-intensive applications may turn to the LTE-Advanced (Category 6) version of the CORE Plug-In for the fastest cellular speeds commercially available while others may opt for the cost-saving deployment of a standard LTE (Category 4) connection. The 6310-DX's optional Remote Mounting kit includes a battery pack for site surveys (to determine signal availability), a PoE injector for remote powering options, and a variety of mounting accessories designed to ensure the DX is optimally placed for the strongest cellular reception.

### Combine Ethernet WAN with 4G LTE Wireless WAN for Primary or Failover Connection

The 6310-DX Cellular Extender is a best-in-class solution that can future-proof network infrastructure thanks to its modular CORE Plug-In LTE modem, stateful firewall, and VPN capabilities. Pair the 6310-DX's integrated LTE Plug-In modem with a dedicated wire line connection to provide dual ISP connectivity, maximize uptime, and ensure complete business continuity for retailers and other organizations that need uninterrupted network access. With the new generation of connected devices demanding reliable network availability, including POS systems, mobile kiosks and digital signage, the 6310-DX is built to support all enterprise needs at an affordable price.

## KEY FEATURES

- LTE Advanced, Standard LTE & LTE with EV-DO fallback
- Dual SIMs (manual or software controlled)
- Auto-switch between different carriers with Carrier Smart Select™
- WAN Load Balancing & Failover
- Port-based VLANs
- 2 Ethernet Ports 10/100 Base (RJ-45)
- IoT Solution
- Enterprise Ready
- Multiple Mounting Options

## BENEFITS

- Lower cost than additional or replacement equipment
- Connects any Ethernet device
- 4G LTE Certified CORE Plug-In modem
- Easily upgrade to meet changing cellular standards
- Optional battery for site survey to identify optimal signal strength placement
- Connects to any Ethernet device to cell network
- Secondary failover WAN link to improve continuity
- Accelerated View (cloud-managed platform) facilitates rapid deployment and management of large networks
- Zero-touch device monitoring and management via Accelerated View with minimal data usage

## ENTERPRISE READY

- SME/SMB
- Retail Chains
- Distributed Enterprise
- ISP / Telecom
- Managed Services

*CONSISTENT, RELIABLE, SCALABLE*



# Technical Specifications

|                         |                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------|
| ETHERNET                | 2 Ethernet Port 10/100 Base-T (RJ-45)                                               |
| POWER SUPPLY            | 18V DC, 0.66A; 100-240 AC                                                           |
| LEDs                    | LAN, WAN, LTE, 5 Signal, SIM 1 & 2 LEDs                                             |
| DIMENSIONS              | 6310-DX 5.6 x 5.0 x 1.2 Inches (142x128x31 mm) - 1002-CM 4x2x0.6 in. (102x51x15 mm) |
| WEIGHT                  | 6310-DX 7 oz. (0.29 kg) - 1002-CM 5.5 oz. (0.156 kg)                                |
| TEMPERATURE             | 32°F to 104°F (0°C to 40°C) Operating                                               |
| STORAGE TEMP & HUMIDITY | -13°F to 158°F (-25°C to 70°C); 5% to 95% Non-Condensing                            |
| CERTIFICATIONS          | FCC Part 15, Subpart B, Class A; CE, RCM; CAN ICES-3(B)/NMB-3(B)                    |

## CELLULAR SPECIFICATIONS

|                         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| CELL ANTENNA            | 2 Dipole; Frequency: 700-960/1575-2700 Hz; Gain: 1-4 dBi;             |
| SIM                     | 2 SIM Card Slot (Size 2FF), Software Selectable & Hardware Switchable |
| CELLULAR CERTIFICATIONS | AT&T, Sprint, T-Mobile, Verizon and PTCRB                             |

## LTE PLUG-IN MODEMS

|            |                                            |
|------------|--------------------------------------------|
| 1002-CM03  | Cat 3 LTE, EVDO, HSPA+, EDGE, GPRS and GSM |
| 1002-CM04* | Cat 4 LTE, HSPA+, UMTS                     |
| 1002-CM06  | Cat 6 LTE-A, LTE, HSPA+                    |

\*The 1002-CM04 is not supported on the Sprint Network



## aView™ Cloud Network Management

Like all Accelerated products, you can centrally manage the Accelerated 6310-DX with our cloud-based management portal, Accelerated View™. This secure portal allows you to rapidly deploy and manage a large number of remote locations. From Accelerated View, you can remotely monitor, configure and update single devices or groups of Accelerated 6310-DXs.

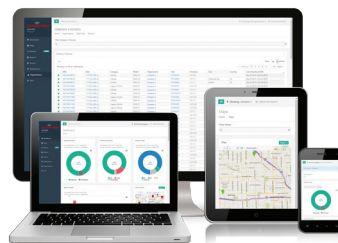
Accelerated 6310-DX is also engineered to handle the unexpected. In the unlikely event of lost cellular data connectivity to your Accelerated 6310-DX, you can avoid costly on-site service technician visits by recovering the device Out-of-Band using an encrypted SMS control system: Accelerated Emergency Remote™.

## Accelerated View™ features: Certified data center:

- Hardened data center
- IPsec secure communication
- Zero-touch provisioning
- Unlimited scalability
- 100% control and security
- SOC1
- SOC2
- PCI-DSS
- HIPAA

## Extended Maintenance & Support

Phone and email support, product replacement, and firmware updates included while under extended maintenance.



## NETWORK

- 2 Ethernet ports (dynamic port configuration)
- Latest mobile technologies (LTE/4G/3G/UMTS/HSPA/...)
- Advanced Modem Management Software
- Automatic self-configuration for most Carrier/SIM combinations
- OOB management and recovery using secure SMS
- VLAN
- Support for Passthrough and Cellular modes in tandem
- Peer-to-peer IPsec tunneling for branch-office networks
- IPv4 and IPv6 support

## SOFTWARE

- WAN Failover
- Load balancing between WAN connections
- Carrier Smart Select™
- Adaptability for multiple custom APNs
- Designed from the ground up to be centrally or locally managed
- Local UI with full access to all configuration and diagnostics
- User friendly CLI with tab completion and smart help
- Smart configuration migration to latest releases
- Remote firmware upgrades
- Rapid security updates and regular firmware releases
- Automatic location services
- Accelerated View cloud management (configuration, reporting, alerts, usage, support)
- Map-based status summary for quick location overview
- VRRP

## FIREWALL

- Fully configurable stateful firewall
- Port forwarding
- Blocking / Filtering
- NAT / Passthrough / Routed
- Optional custom rule setup

## SECURITY

- VPN
- AES, 3DES
- IKEv1, OpenVPN, MODECFG, X509
- Interop with a large range of networking equipment.
- Support for legacy cryptographic interconnects (SHA1, DES, MD5)
- All services can be configured to allow comprehensive lockdown
- RADIUS, TACACS+
- IPsec: no artificial tunnel count limits

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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