HL1120 ONEWEB TERMINAL
4G LTE ENABLED

EXPEDITION
COMMUNICATIONS

Powered by the OneWeb LEO Enterprise Network

Speeds up to 195Mbps down and 32Mbps up, with seamless handoffs from one satellite beam to the next, maintaining uninterrupted connectivity.

- ✓ **First of its kind Flat Panel Antenna Technology**
- ✓ **Fixed and Mobile Applications**
- ✓ **Managed LEO Satellite Broadband**

Guaranteed Service Level Agreements

Managed service delivery includes 24x7 monitoring and dedicated help desk support.

Superior Security

Our cybersecurity solutions for distributed enterprises can be layered on top to protect your network.

Low Latency

Because LEO satellites are close to Earth, they produce stronger signals with faster response times, delivering continuous connectivity.

Flexibility

Boasting access to over 1,000 global broadband partners for high-performance connectivity, wherever business takes you.

Dedicated Capacity

OneWeb is 100% dedicated to enterprise services – no sharing with consumer apps and users, ensuring the best possible speeds.

One-Stop Simplicity

Offering everything necessary for a managed LEO deployment and backed by our always-on, 24/7 support.

Learn more about OneWeb Enterprise Satellite Solutions
(877) 410-8101

Terminal Specifications	Model HL1120	Model HL1100
ESA Dimensions	L23.5 in x W32.6in x H4.4in	L23.5 in x W15.8in x H3.0in
ESA Weight	53 lbs.	27 lbs.
Peak Downlink Data Rate	195 Mbps	57 Mbps
Peak Uplink Data Rate	32 Mbps	14 Mbps
ESA Input DC Voltage	54.7 V DC (across 2 IFL cables)	54.7V DC (nominal)
DC Power Consumption	300W max (TBD)	170W max (TBD)

Critical Infrastructure Monitoring with the HL1120 OneWeb Terminal

The Customer

A multi-state utility client had experienced decades of inadequate documentation. The IT infrastructure at over 1,400 locations was outdated. This led to a lack of understanding of company owned assets and circuits at their facilities. The client needed a partner with expertise in telco, LMR and IT logical flow downs to document and report existing connectivity. Expedition Communications was selected to handled the coordination and assessment of assets for all locations/region in a timely fashion.

The Challenge

- 1,400 sites needed assessment and documentation.
- Client needed back office support with Visio and CAD drawings.
- Documentation and files needed to be accessible by the client.
- Transfer of information needed to be secure.
- The large project required efficient budgeting and time

The Solution

- Project Assessment.
- Dedicated Project Manager.
- Coordination with Client for Site Escorts.
- Scheduled Ramp-up of Personnel.
- Development of Site Survey Documentation.
- Development of Visio and CAD Drawings.
- Secure Client-facing File Storage System.
- 24/7 Customer Support Team.
- Comprehensive Reporting for Uniform Roll Out.
- On-going Maintance Agreement for 3,300 locations.

Specifications

Frequency Band	
TX	14.0 GHz to 14.5 GHz
RX	10.7 GHz to 12.7 GHz
Transmission Security	
Link Encryption	AES-256
GNSS	GPS + GLONASS

Environmental and Mechanical

Operating Temperature	-40°C to +55°C
Indoor Power Supply	100 V to 240 V AC
IFL Cable Length	220 ft (max)
IFL Cable Type Dual	RG-6, 75Ω, F-type connector
Agency Compliance	CE, R&TTE, FCC, Anatel, UKCA
Safety Compliance	UL, CE, IEC

Network Configuration

Network	OneWeb Satellite Constellation
Network features	IP, differentiated QoS, multi-APN
Wi-Fi	Wi-Fi 6 (optional)

Indoor Unit Specifications

Indoor Unit Number	Model WR3210
GigE LAN Ports	2
External Power Supply	Included
Wi-Fi	Included

EXPEDITION COMMUNICATIONS

sales@expeditioncommunications.com

www.expeditioncommunications.com

+1 (877) 410 - 8101

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