

## INDOOR UNIT (IDU) SPECIFICATIONS

### FORWARD CHANNEL

#### Modulation/Coding

- » 16-APSK Rate 2/3, 3/4, 4/5, 5/6, 8/9
  - » 8PSK Rate 3/5, 2/3, 3/4, 5/6
  - » QPSK Rate 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6
  - » Adaptive Coding & Modulation
- Symbol Rate** 10 to 52 MSym/s

### RETURN CHANNEL

#### Modulation/Coding

- » 8PSK Rate 7/12, 2/3, 3/4
  - » QPSK Rate 3/8, 1/2, 5/8, 3/4
  - » BPSK Rate 1/2
  - » Automatic power control and rate adaptation
- Symbol Rate** 625, 1250, 2500, 5000 and 10000 kSym/s

### USER SPEEDS

- Forward Channel Operator configurable up to 40 Mbits/s  
Return Channel Operator configurable up to 10 Mbits/s

### MANAGEMENT

Web GUI local management and SNMP-based remote management and control

### NETWORKING

#### IP Internetworking

- » Transparent TCP and HTTP acceleration
- » Packet classification and filtering
- » Per-flow queuing

### POWER SUPPLY

- » 100 to 240 VAC; 50 to 60 Hz

### INDOOR ENVIRONMENT

- Operational** 0° to +40° C  
**Storage** -35° to +65° C  
**Humidity** 0 to 95% (non-condensing)  
**Altitude** 3000 m  
**Shock and Vibration** Per ISTA, July 2000, Procedure 1A

### REGULATORY

- Safety** cULus, CE, CB Scheme  
**EMC** FCC 47 CFR 15B class B, ICES-003, AS/NZS CISPR 22, CE  
**RoHS** Compliant to RoHS Directive 2002/95/EC  
**REACH** Compliant to REACH Directive

### PHYSICAL

- Status** Indicators Power; Satellite Acquisition; Activity; Fault  
**Size** 23 x 23 x 3.8 cm  
**Weight** 1.3 lb; 0.6 kg (with external power supply)

### INTERFACES

- CPE** IEEE 802.3, 10/100/1000 BaseT, RJ-45 connector  
**Expansion** USB 2.0, type A connector

## OUTDOOR UNIT (ODU) SPECIFICATIONS

- Input Frequency** 18.3 to 20.2 GHz  
**Output Frequency** 28.1 to 30.0 GHz  
**Nominal EIRP** 48.4 dBW  
**Nominal G/T** 17.5 dB/K  
**Polarization** Circular, with remote switching option  
**Mounting** Available pole mount or universal wall mount

### OUTDOOR ENVIRONMENT

- Power** Supplied by IDU on IFL coax, 30-55 Vdc  
**Ambient Temperature** -40° to +55° C (up to +80° C survival)  
**Humidity** 0 to 100% (condensing)  
**Rain** < 100 mm/hr  
**Wind** 45 mph

### REGULATORY

- Safety** cULus, CE, CB Scheme  
**EMC** FCC 47 CFR 15B, 25.138, 25.202, ETSI 301 459, CE  
**RoHS** Compliant to RoHS Directive 2002/95/EC  
**REACH** Compliant to REACH Directive

### PHYSICAL

- Reflector Size** 77 x 72 cm  
**Weight** 33.5 lb; 15.2 kg (with transceiver and universal wall mount)

### INTER-FACILITY LINK (IFL) CABLE

- Type** RG-6, 75 Ohm  
**Connector** F (male)  
**Length (max)** 60 m