COMPAL SBV6220

DOCSIS 3.0 VOIP CABLE MODEM

- EuroDocsis/Docsis 3.0 certified
- Channel Bonding of up to 4 Downstreams and 4 Upstreams
- Battery Option for Digital Voice service back up
- GigE (RJ-45) data port with Auto Negotiate and Auto MDIX
- 2x RJ-11 Telephony Ports
- Support for CLASS services (caller ID, call waiting, three-way calling, etc.)
- Certified PacketCable 1.5; Ready for PacketCable 2.0
- Network Call signaling (NCS) and Session Initiation Protocol (SIP) support Field-upgradeable software
- Support for G.700, G.729, and other low-rate vocoders

SPECIFICATIONS

GENERAL	
Cable Interface	75Ω F-connector
CPE Network Interface	10/100/1000 Base-T Ethernet (RJ-45)
Telephony Interface	RJ-11 (x2)
Data Protocol	TCP/IP. UDP
Telephony Interfaces	ETSI harmonized Impedance, 600 Ω
Line Mating	Line 1= Line 1. or Lines 1 and 2. Line 2 = Line 2
Dimensions	92 in x15 in x 6 1 in (23.36 cm x 3.81 cm x 15.49 cm)
Input Power	100 to 125 VAC, 60 Hz
Regulatory	UL listed (U.S and Canada) Pmin to +61 dBmV (QPSK) CE, unit is RoHS compliant, ENERGY STAR V2, COC V3, Compliant per the "Code of Conduct on Energy Consumptlon of Broadband Equipment, CMM
ENVIRONMENTAL	
Operating Temperature	32°F to 122°F (0 °C to 50°C)
Storage Temperature	-22°F to 176°F (-30°C to 70°C)
Storage Temperature with Battery Installed	14°F to 140°F (-10°C to +60 °C)
Recommended Battery Storage	at 25°C for optimal storage
Operating Humidity	5 to 95% R.H (non-condensing)
DOWNSTREAM	
Modulation	64 or 256 QAM
Capture Bandwidth	100 MHz (edge to edge)
Maximum Theoretlcal Data Rate DOCSIS	171.537 Mbps (4 channels) /42884 (Single channel) @ 256 OAM at 5.36 Msym/s
Bandwldth	DOCSIS ≤ 24 MHz
Symbol Rate	DOCSIS: 64 OAM 5.057 Msym/s, 256 OAM 5.361 Msym/s
Operating Level Range	-15 to 15 dBmV
Bonded Channel RF Level Tolerance	10 dBmV
Input Impedance	75 Ω (nominal)
Frequency Range	108 to 1002 MHz (edge to edge)
Network Management	SNMP v2 &v3
Provisioning	Supports IP addressing using IPv4 and/or IPv6
UPSTREAM	
Modulation	QPSK and 8, 16, 32, 64, 128 QAM
Max. Channel Rate	
DOCSIS	131.072 Mbps (4 channels) /32.768 Mbps (Single channel) @ 128 OAM at 6 4 MHz
Channel Width	200 kHz, 400 kHz, 800 kHz, 16 MHz, 32 MHz, 6.4 MHz
Symbol Rates	160, 320, 640, 1280, 2560, 5120 ksym/s
Operating Level Range	**Level range per channel**
DOCSIS	Pmin to +57 dBmV (32 QAM, 64 QAM) Pmin to +58 dBmV (8 QAM, 16 QAM) Pmin to +61 dBmV (QPSK)

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S-CDMA	Pmin to +56 dBmV (all modulations), where Pmin = +17 dBmV, 1280 kHz modulation rate Pmin = +20 dBmV, 2560 kHz modulation rate Pmin = +23 dBmV, 5120 kHz modulation rate
Level range per channel (2 channels In the TCS)	
TDMA	Pmin to +54 dBmV (32 OAM, 64 QAM) Pmin to +55 dBmV (8 OAM, 16 QAM) Pmin to +58 dBmV (OPSK)
S-CDMA	Pmin to +53 dBmV (all modulations), where: Pmin = +17 dBmV, 1280 kHz modulation rate Pmin = +20 dBmV, 2560 kHz modulation rate Pmin = +23 dBmV, 5120 kHz modulation rate
Level range per channel (3 or 4 channels In the TCS)	
TDMA	Pmin to +51 dBmV (32 QAM, 64 QAM) Pmin to +52 dBmV (8 QAM, 16 QAM) Pmin to +55 dBmV (QPSK)
S-CDMA	Pmin to +53 dBmV (all modulations). where: Pmin = +17 dBmV, 1280 kHz modulation rate Pmin = +20 dBmV, 2560 kHz modulation rate Pmin = +23 dBmV, 5120 kHz modulation rate
Output Impedance	75 Ω (nominal)
Frequency Range	5 - 42 MHz (edge to edge)
Optional DOCSIS	5 - 65 MHZ
BATTERY	
Type	Replaceable, Lithium-ion, Single piece construction
Options	2-Cell, 4-Cell

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