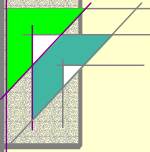


'21C' Broadband Network Leader



BONA Technology
Good, Qualified Solution

BONA Docsis 2.0 Cable Modem



Standard and Protocol

- DOCSIS/EURO DOCSIS 2.0 compliant
 - DOCSIS/EURO DOCSIS 1.1 compliant
 - DOCSIS/EURO DOCSIS 1.0 compliant
-
- Compliant with relevant LSSGR and CCITT specification
 - Advanced TDMA (supported in hardware, software not provided in standard package)
 - Increase upstream bandwidth to 30.72Mbps
 - Supports TurboDOX™ enhancements for increased throughput performance (add-on)
 - Downstream
 - Modulation : 64/256 QAM
 - Frequency Range : 6Mhz
 - Maximum Downstream Data Rate : 27/38 Mbps
 - RF Input Sensitivity : +15 to -15 dBmV
 - Error Correction : ITU J.83 Annex A, B and C Forward Error Correction
 - 64 QAM Performance @ 23 dB Es/No : BER <1e-8
 - Input Impedance : 75 Ohm
 - Upstream
 - Modulation in DOCSIS mode : QPSK/16QAM
 - Upstream Modulation in Advanced TDMA mode & S-CDMA : 32QAM/64QAM & S-CDMA
 - Channel Width : 200Khz, 400Khz, 800Khz, 1.6Mhz, 3.2Mhz, 6.4Mhz
 - Maximum Upstream Data Rate : 10.24 Mbps
 - Maximum Upstream Data Rate in Advanced TDMA mode : 30.72 Mbps
 - Frequency Range – DOCSIS version : 5-42 MHz
 - Frequency Range – EuroDOCSIS version : 5-65 MHz
 - RF Output Level : -2 to +60 dBmV
 - Gain Control Range : 63dB



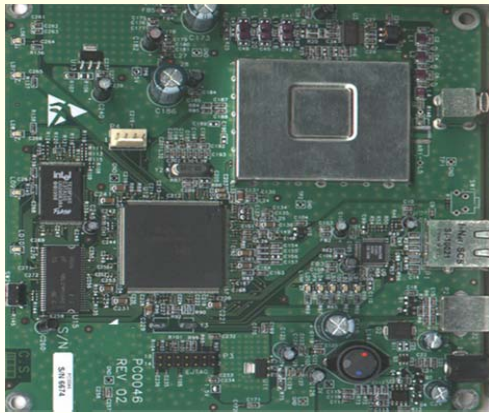
*VoIP
World leader!*





Main Processor Feature

- ✓ Based on the Texas Instruments TNETC4400(Puma-D) or TNETC4401(Puma-S)– cable MAC/PHY and MIPS processor IC device.
- ✓ Based on MT2050 silicon tuner and MT1550 PGA devices by Microtune
- ✓ 10/100 BaseT Ethernet interface
- ✓ USB 1.1 interface
- ✓ Full-featured memory implemented:
 - ✓ 8M Byte SDRAM for operation
 - ✓ 2M Byte FLASH for 16-bit Boot ROM



Docsis 2.0 Cable Modem

Sales Contact Information

Please call or E-mail to BONA Sales team.
 BONA R&D can be contacted (82-2) 3453-4311
 E-Mail : bona@bonatech.co.kr

Model	Protocol
BNDCM200-Series	Docsis 2.0/1.1/1.0

Physical Specification and Environment

Size & Weight	150 x 150 x 50 (L x W x H)
Operational temperature	0 °C to 50 °C
Storage temperature	0 °C to 65 °C
Humidity	10% to 90% no dew

Electric Characteristics

Voltage	9V DC, 1.2A
Power Adapter	ADC input 100 ~ 120 V(50Hz) or 220 ~ 240V(60Hz)
Network interface	IEEE 802.1 10/100 Base-T I

MEMO



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