

CM820 | Touchstone® CM820 Cable Modem

Base Product



8x4 DOCSIS® / EuroDOCSIS® 3.0 Cable Modem

- Two independent 96MHz wide RF tuners to receive downstream channels up to 1GHz
- Built in MoCA® immunity filter
- Downstream scanning override via web GUI for rapid installation
- Supports Business Services over DOCSIS
- Up to 8x4 downstream/upstream channel-bonding with superior throughput
- Backwards compatible with DOCSIS 1.0, 1.1, and 2.0
- IPv4 or IPv6 addressing modes for DOCSIS CM layer
- Integrated Power Switch to address European EuP directives (CM820S only)

The Touchstone CM820 DOCSIS 3.0 8x4 Cable Modem delivers ultra-high speed data access to cable service subscribers' homes and businesses.

Designed to support the services desired most by advanced users, including full support for new IPv6 services, the CM820 enables the home or small business user to address productivity needs with the speed and performance found only in the 8x4 bonded channel cable environment along with industry-leading ARRIS reliability.

With the CM820, cable operators can offer data services at speeds greater than 300Mbps to their subscribers to compete against VDSL and fiber to the home threats. The CM820 enables Cable Operators to support businesses with Ethernet Services over DOCSIS using the Cablelabs BSoD implementation and provides competitive high capacity commercial services to businesses.

Not available in retail. Please check with your service provider for availability.

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Cable modem

General Specifications

Access Technology	DOCSIS 3.0 EuroDOCSIS 3.0
Channel Bonding	Up to 8x4 SC-QAM
Diagnostic LEDs	DS Link Online Power US
Ethernet Ports	1 x GigE
Interfaces	100 Vac 50/60 Hz (C model) 115 to 240 Vac 50/60 Hz (A, B, S models) 1x RJ45 (10/100/1000 Base-T) 'F' type connector
RF Downstream Frequency Range	108-1002 MHz
RF Downstream Bonded Channels, quantity	Up to 8
RF Downstream Input Sensitivity Level	-15 dBmV to 15 dBmV (A, C models) -17 dBmV to 17 dBmV (B, S models)
RF Downstream Data Rate	Up to 343 Mb/s (A, C models)

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RF Upstream Frequency Range	108-1002 MHz
RF Upstream Bonded Channels, quantity	Up to 4
RF Upstream Data Rate	Up to 122 Mb/s
Voice	No

Dimensions

Height	157.48 mm 6.2 in
Width	43.18 mm 1.7 in
Length	144.78 mm 5.7 in

Environmental Specifications

Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Standards Compliance	IEEE 802.3 IEEE 802.3ab PSE RoHS Compliant VCCI WEEE

Packaging and Weights

Weight, net	0.367 kg 0.81 lb
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