



CABLE MODEMS

MODEM FEATURES	SURFboard® SB6141	SURFboard® SB6183	SURFboard® SB6190	SURFboard® SB8200
DOCSIS® Download Speed	Up to 343 Mbps	Up to 686 Mbps	Up to 1.4 Gbps	Up to 10 Gbps
DOCSIS® 3.0 Downstream x Upstream Channels	8 x 4	16 x 4	32 x 8	32 x 8
DOCSIS® 3.1 Advanced Technology	N/A	N/A	N/A	✓
Gigabit Ethernet Ports	1	1	1	2
Multi-Network Configuration Support	N/A	N/A	N/A	✓
4K Ultra HD Video Streaming	★☆☆☆☆	★★☆☆☆	★★★★☆	★★★★★
High-Performance Online Gaming	★★★☆☆	★★★★☆	★★★★☆	★★★★★
Energy-Efficient Ethernet	N/A	✓	✓	✓
2-Year Limited Warranty	✓	✓	✓	✓
Technical Support available by ARRIS	✓	✓	✓	✓



CABLE MODEMS AND Wi-Fi ROUTER

MODEM FEATURES	SURFboard® SBG6400	SURFboard® SBG6580-2	SURFboard® SBG6700-AC	SURFboard® SBG6900-AC	SURFboard® SBG6950AC2	SURFboard® SBG7400AC2	SURFboard® SBG7580-AC
DOCSIS® Download Speed	Up to 343 Mbps	Up to 343 Mbps	Up to 343 Mbps	Up to 686 Mbps	Up to 686 Mbps	Up to 1 Gbps	Up to 1.4 Gbps
DOCSIS® 3.0 Downstream x Upstream Channels	8 x 4	8 x 4	8 x 4	16 x 4	16 x 4	24 x 8	32 x 8
DOCSIS® 3.1 Advanced Technology	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gigabit Ethernet Ports	2	4	2	4	4	4	4
USB Ports	1	1	N/A	1	1	1	1
High-Performance Online Gaming	★★☆☆☆	★★★★☆	★★★★☆	★★★★★	★★★★★	★★★★☆	★★★★☆
4K Ultra HD Video Streaming	★★☆☆☆	★★★★☆	★★★★☆	★★★★★	★★★★★	★★★★☆	★★★★☆
Energy Efficient Ethernet	✓	✓	✓	✓	✓	✓	✓
2-Year Limited Warranty	✓	✓	✓	✓	✓	✓	✓
Technical Support available by ARRIS	✓	✓	✓	✓	✓	✓	✓
Wi-Fi FEATURES							
Wi-Fi	N300	N300/300 dual switched	AC1600 dual concurrent	AC1900 dual concurrent	Wave 2 AC1900 dual concurrent	Wave 2 AC2350 dual concurrent	AC1750 dual concurrent
Wi-Fi HD Multi-Media Streaming	★★☆☆☆	★★★★☆	★★★★☆	★★★★★	★★★★★	★★★★★	★★★★☆
Antenna Configuration: MIMO (Multiple In, Multiple Out)	2x2 on 2.4 GHz	2x2 on 2.4 GHz 2x2 on 5.0 GHz	2x2 on 2.4 GHz 2x2 on 5.0 GHz	3x3 on 2.4 GHz 3x3 on 5.0 GHz	3x3 on 2.4 GHz 3x3 on 5.0 GHz	3x3 on 2.4 GHz 4x4 on 5.0 GHz	3x3 on 2.4 GHz 3x3 on 5.0 GHz
McAfee® Secure Home Internet	N/A	N/A	N/A	✓	✓	✓	✓
Quick Connect via SURFboard® Manager App	N/A	N/A	N/A	✓	✓	✓	✓
Wi-Fi Pairing Button (WPS)	✓	✓	✓	✓	✓	✓	✓
Preset Wi-Fi Security	✓	✓	✓	✓	✓	✓	✓
Wireless Guest Access	✓	✓	✓	✓	✓	✓	✓



Xfinity CUSTOMERS

FEATURES	TM822R	TG862	SVG2482AC
Wi-Fi Speed	N/A	Up to 300 Mbps	Up to 1750 Mbps
DOCSIS® Download Speeds	Up to 343 Mbps	Up to 343 Mbps	Up to 1 Gbps
DOCSIS® 3.0 Downstream x Upstream Channels	8 x 4	8 x 4	24 x 8
Works with Xfinity Internet & Voice Service	✓	✓	✓
Dual-Band Concurrent Wi-Fi	N/A	✓	✓
Gigabit Ethernet Ports	1	4	4
Telephony Ports	2	2	2
USB Ports	N/A	1	2
High-Performance Online Gaming	★★★★☆	★★★★☆	★★★★★
HD Video Streaming	★★★★☆	★★★★☆	★★★★★
Supports Wireless Printing	N/A	✓	✓
Wi-Fi Pairing Button (WPS)	N/A	✓	✓
Preset Wi-Fi Security	N/A	✓	✓
Battery Backup Capable (Battery Sold Separately)	✓	✓	✓
2-Year Limited Warranty	✓	✓	✓
Technical Support available by ARRIS	✓	✓	✓