



CABLE MODEMS

MODEM FEATURES	SURFboard® SB6183	SURFboard® SB6190	SURFboard® SB8200	SURFboard® S33
DOCSIS® Download Speed	Up to 686 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 3.5 Gbps
DOCSIS® 3.0 Downstream x Upstream Channels	16 x 4	32 x 8	32 x 8	32 x 8
DOCSIS® 3.1 Advanced Technology	N/A	N/A	✓	✓
Best Cable Internet Speed Plan*	Up to 400 Mbps	Up to 600 Mbps	Up to 2 Gbps	Up to 3.5 Gbps
1-Gigabit Ethernet Ports	1	1	2	1
Multi-Gig Ethernet Ports	N/A	N/A	N/A	1
High-Performance Online Gaming	GOOD	BETTER	BETTER	BEST
Simultaneous HD, 4K Ultra HD and VR Streaming	GOOD	BETTER	BETTER	BEST
Multi-network Capability**	N/A	N/A	✓	✓
Wi-Fi®	N/A	N/A	N/A	N/A
Digital Voice Service Capability	N/A	N/A	N/A	N/A
2-Year Limited Warranty & Dedicated Technical Support	✓	✓	✓	✓

* Limitations may be imposed by the authorized service tier for a device, or by Ethernet port constraints.
 2nd IP address required for speeds greater than 1Gb. Link Aggregation may be required in some instances.



Wi-Fi® CABLE MODEMS

MODEM FEATURES	SURFboard® SBG10	SURFboard® SBG6950AC2	SURFboard® SBG7400AC2	SURFboard® SBG7600AC2	SURFboard® SBG8300	SURFboard® G34	SURFboard® G36
DOCSIS® Download Speed	Up to 686 Mbps	Up to 686 Mbps	Up to 1 Gbps	Up to 1 Gbps	Up to 4 Gbps	Up to 4 Gbps	Up to 4 Gbps
DOCSIS® 3.0 Downstream x Upstream Channels	16 x 4	16 x 4	24 x 8	32 x 8	32 x 8	32 x 8	32 x 8
DOCSIS® 3.1 Advanced Technology	N/A	N/A	N/A	N/A	✓	✓	✓
Best Cable Internet Speed Plan*	Up to 400 Mbps	Up to 400 Mbps	Up to 600 Mbps	Up to 600 Mbps	Up to 4 Gbps	Up to 4 Gbps	Up to 4 Gbps
1-Gigabit Ethernet Ports	2	4	4	4	4	4	4
Multi-Gig Ethernet Ports	N/A	N/A	N/A	N/A	N/A	N/A	2.5 Gbps
USB Ports	N/A	1	1	1	N/A	N/A	N/A
High-Performance Online Gaming	GOOD	GOOD	BETTER	BETTER	BEST	BEST	BEST
Simultaneous HD, 4K and VR Streaming	GOOD	GOOD	BETTER	BETTER	BEST	BEST	BEST
Digital Voice Service Capability	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Year Limited Warranty & Dedicated Technical Support	✓	✓	✓	✓	✓	✓	✓
Wi-Fi FEATURES							
Wi-Fi	AC1600 dual concurrent	Wave 2 AC1900 dual concurrent	Wave 2 AC2350 dual concurrent	Wave 2 AC2350 dual concurrent	Wave 2 AC2350 dual concurrent	AX3000 dual concurrent	AX3000 dual concurrent
Wi-Fi Standard	Wi-Fi 5 (802.11ac)	Wi-Fi 5 (802.11ac)	Wi-Fi 5 (802.11ac)	Wi-Fi 5 (802.11ac)	Wi-Fi 5 (802.11ac)	Wi-Fi 6 (802.11ax)	Wi-Fi 6 (802.11ax)
Wi-Fi HD Multi-Media Streaming	GOOD	GOOD	BETTER	BETTER	BEST	BEST	BEST
Antenna Configuration: MIMO (Multiple In, Multiple Out)	2x2 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 4x4 on 5.0 GHz	3x3 on 2.4 GHz 4x4 on 5.0 GHz	3x3 on 2.4 GHz 4x4 on 5.0 GHz	3x3 on 2.4 GHz 4x4 on 5.0 GHz
Simple & Secure Network Management with Mobile App	✓	✓	✓	✓	✓	✓	✓
Wi-Fi Pairing Button (WPS)	N/A	✓	✓	✓	N/A	N/A	N/A
Preset Wi-Fi Security & Wireless Guest Access	✓	✓	✓	✓	✓	✓	✓

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Xfinity CUSTOMERS

FEATURES	SURFboard® SVG2482AC	SURFboard® SBV2402	SURFboard® SBV3202	SURFboard® T25
DOCSIS® Download Speeds	Up to 1 Gbps	Up to 1 Gbps	Up to 1 Gbps	Up to 2 Gbps
DOCSIS® Downstream x Upstream Channels	24 x 8	24 x 8	32 x 8	32 x 8
DOCSIS® 3.1 Advanced Technology	N/A	N/A	N/A	✓
Best Cable Internet Speed Plan*	Up to 600 Mbps	Up to 600 Mbps	Up to 600 Mbps	Up to 2 Gbps
Dual-Band Concurrent Wi-Fi	✓	N/A	N/A	N/A
Gigabit Ethernet Ports	4	1	1	2
Telephony Ports	2	2	2	2
USB Ports	2	N/A	N/A	N/A
High-Performance Online Gaming	GOOD	GOOD	BETTER	BEST
HD Video Streaming	GOOD	GOOD	BETTER	BEST
Wi-Fi® Speed	Up to 1750 Mbps	N/A	N/A	N/A
Works with Xfinity Internet & Voice	✓	✓	✓	✓
Wi-Fi Pairing Button (WPS)	✓	N/A	N/A	N/A
Preset Wi-Fi Security	✓	N/A	N/A	N/A
Supports back-up power (sold separately)	✓	N/A	✓	N/A
2-Year Limited Warranty & Dedicated Technical Support	✓	✓	✓	✓

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MESH Wi-Fi 6 & Wi-Fi 5 SYSTEMS

FEATURES	SURFboard mAX® Dash Mesh Wi-Fi Router System	SURFboard mAX® Express Mesh Satellite Extender System	SURFboard mAX® Mesh Wi-Fi Router System	SURFboard mAX® Plus Mesh Wi-Fi System	SURFboard mAX® Pro Mesh Wi-Fi System
Wi-Fi® Speed	Tri-band AC3800	Tri-band AX6600	Tri-band AX6600	Tri-band AX7800	Tri-band AX11000
Wi-Fi Coverage	Up to 5,500 square feet	Up to 5,500 square feet	Up to 5,500 square feet	Up to 6,000 square feet	Up to 6,000 square feet
Gigabit Ethernet Ports	4 (2 per router)	2 (router only)	4 (2 per router)	8 (4 per router)	8 (4 per router)
Wi-Fi Bands	11 Stream 802.11ac Wi-Fi 5 4x4 5 GHz (High) 3x3 5 GHz 4x4 2.4 GHz	8 Stream 802.11ax Wi-Fi 6 4x4 5 GHz (High) 2x2 5 GHz 2x2 2.4 GHz	8 Stream 802.11ax Wi-Fi 6 4x4 5 GHz (High) 2x2 5 GHz 2x2 2.4 GHz	8 Stream 802.11ax Wi-Fi 6 4x4 5 GHz (High) 2x2 5 GHz 2x2 2.4 GHz	12 Stream 802.11ax Wi-Fi 6 4x4 5 GHz (High) 4x4 5 GHz 4x4 2.4 GHz
Gigabit Backhaul	Dedicated 4x4 Wi-Fi 5 band Up to 3.8 Gbps	Dedicated 4x4 Wi-Fi 6 band Up to 4.8 Gbps	Dedicated 4x4 Wi-Fi 6 band Up to 4.8 Gbps	Dedicated 4x4 Wi-Fi 6 band Up to 4.8 Gbps	Dedicated 4x4 Wi-Fi 6 band Up to 4.8 Gbps
Simultaneous HD, 4K and VR Streaming	GOOD	GOOD	GOOD	BETTER	BEST
Routers in Each Pack	2	1 Router + 1 Extender	2	2	2
Works with Alexa	✓	✓	✓	✓	✓
Simple and Secure Management with SURFboard Central App	✓	✓	✓	✓	✓
Link Aggregation Capable (LAC)	N/A	N/A	N/A	✓	✓
2-Year Limited Warranty	✓	✓	✓	✓	✓
Dedicated Technical Support by ARRIS	✓	✓	✓	✓	✓