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 802.11n (Sachin Kumar)

MCS Index	20-MHz Rate (Mbps)	40-MHz Rate (Mbps)	20-MHz Rate (Mbps)	40-MHz Rate (Mbps)
0	6.5	13.5	7.2	14.4
1	13	27	14.4	30
2	19.5	40.5	21.7	45
3	26	54	28.9	60
4	39	81	43.3	90
5	52	108	57.8	120
6	58.5	121.5	65	135

GI = 800ns  
 GI = 400ns

- 802.11n Capabilities**
- Unified Wireless Network Software Release 5.2 or later
  - IOS® Software Release 12.4(21a)JA
  - 2x3 multiple-input multiple-output (MIMO) with two spatial streams
  - Maximal ratio combining (MRC)
  - Legacy beamforming (hardware supports this capability; not yet enabled in software)
  - 20- and 40-MHz channels
  - PHY data rates up to 300 Mbps
  - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
  - 802.11 dynamic frequency selection (DFS) (Bin 5)
  - Cyclic shift diversity (CSD) support
- Data Rates Supported**
- 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
  - 802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps
  - 802.11n data rates (2.4 GHz and 5 GHz):

Product Specifications for Access Points

Product Specifications

Req. 6849144  
 6-9-13  
 dot 25.2.13

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