

MX60 DisplayPort Main and Auxiliary Contactless Connectivity Solutions >

MX60 DisplayPort Main Contactless Connectivity Solutions are wireless transceivers that offer high-speed solid-state wireless connections replacing traditional DisplayPort connectors. MX60 DisplayPort Auxiliary devices, also wireless transceivers, work in conjunction with other products in the MX60 family to provide a return channel to the display port interface — on its own, this device offers a low-speed link for non-demanding applications.

FEATURES AND ADVANTAGES

Remains unaffected by interference from Bluetooth, Wi-Fi or wireless chargers, making it a robust way to add contactless connectivity

60 GHz wireless

Simplifies the process of incorporating wireless technology into a product

Built-in antenna for easy design and assembly

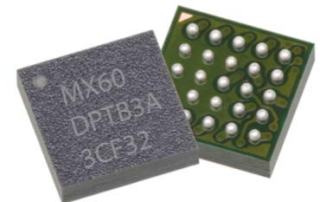
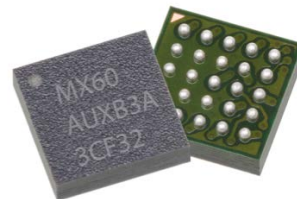
Enables applications that are not possible with other wireless technologies; offers up to 5.4 Gbps per pair

High-speed rates

Consumes milliwatts rather than watts

Low power

Pitch	0.50mm
Length	3.00mm
Width	3.00mm
Height	0.90mm
Operating Temperatures	Commercial: 0 to +70°C



MARKETS AND APPLICATIONS

Consumer

- Charging pads
- Laptop docking stations
- Cell phones
- Ruggedized computers (dust proof)
- Secondary screens
- Secondary docking stations

MedTech

- Equipment requiring sterilization



Personal Computers



Ruggedized Computers

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SPECIFICATIONS

Reference Information

Packaging: Tray; tape and reel
 Designed in: Millimeters
 RoHS: Yes
 Halogen Free: Yes

Electrical

Voltage (max.): 1.2V; 1.8V (optional)

Radio

Under 7 GHz occupied bandwidth (OBW) @ <5.4 Gbps
 Amplitude-shift keying (ASK) modulation
 Output Power: -0.8dBm (carrier wave mode)
 Rx Sensitivity (5.4 Gbps): -21.3dBm typical
 Antenna Gain: 6.5 dBi
 Total Radiated Output EIRP: 5.7 dBi
 Frequency of Operation: 57-64 GHz

Mechanical

Pitch (ball): 0.50mm
 Mated Height: 0.90mm
 Width: 3.00mm
 Length: 3.00mm

Physical

25-ball VFBGA
 Operating Temperatures:
 0 to +70°C (commercial)

