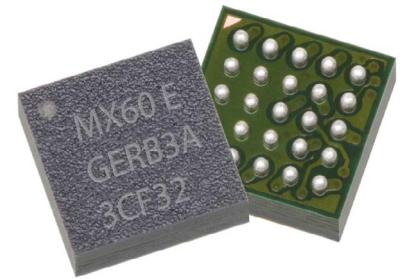


MX60 Gigabit Ethernet Contactless Connectivity Solutions >

MX60 Gigabit Ethernet Contactless Connectivity Solutions are wireless transceivers that offer high-speed solid-state wireless connections to replace traditional mechanical connectors. These contactless devices offer a built-in antenna for ease of design and robustness in high-vibration applications and harsh environments.



MX60 Gigabit Ethernet Contactless Connectivity Solutions

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

Enables applications that are not possible with other wireless technologies; offers from 1 to 5.4 Gbps per pair
High-speed rates

Simplifies the process of incorporating wireless technology into a product

Built-in antenna for easy design and assembly

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 Extended: -30 to +85°C

MARKETS AND APPLICATIONS

Wireless Infrastructure

Video consoles
Video panels

Industrial Automation

Factory automation systems
Robotics

MedTech

Contactless networking systems
Equipment requiring sterilization

Networking

Docking stations
Ruggedized networking systems
Waterproof networking adapters



Video Panels



Factory Automation Systems



Sterilized Equipment



Ruggedized Networking Systems

MX60 Gigabit Ethernet Contactless Connectivity Solutions >

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

Mechanical

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

Physical

25-ball VFBGA
 Operating Temperatures:
 Commercial: 0 to +70°C
 Extended: -30 to +85°C

