

# newline

## Q Series

| Model   | TT-5521Q                                                                          | TT-6521Q                                                                          | TT-7521Q                                                                          | TT-8621Q                                                                            | TT-9821Q                                                                            |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Picture |  |  |  |  |  |

| Display                |                      |                      |                      |                      |                      |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Active Screen Size     | 55"                  | 65"                  | 75"                  | 86"                  | 98"                  |
| Backlight              | LED                  | LED                  | LED                  | LED                  | LED                  |
| Display Area (in)      | 47.6 x 26.8 in       | 56.2 x 31.7 in       | 64.9 x 36.5 in       | 74.6 x 41.9 in       | 85.1 x 48.1 in       |
| Display Ratio          | 16:09                | 16:09                | 16:09                | 16:09                | 16:09                |
| Resolution (in pixels) | 3840 x 2160 (4K)     | 3840 x 2160 (4K)     | 3840 x 2160 (4K)     | 3840 x 2160 (4K)     | 3840 x 2160 (4K)     |
| Colors                 | 1.07 billion (8 bit) | 1.07 billion (8 bit) | 1.07 billion (8 bit) | 1.07 billion (8 bit) | 1.07 billion (8 bit) |
| Brightness             | After Glass          | After Glass          | After Glass          | After Glass          | After Glass          |
| Center Brightness      | 400 cd/m²            | 400 cd/m²            | 400 cd/m²            | 400 cd/m²            | 400 cd/m²            |
| Contrast Ratio         | Dynamic 4000:1       | Dynamic 4000:1       | Dynamic 4000:1       | Dynamic 4000:1       | Dynamic 4000:1       |
|                        | Static: by OC spec   | Static: by OC spec   | Static: by OC spec   | Static: by OC spec   | Static: by OC spec   |
| Response Time          | 8 ms                 | 8 ms                 | 8 ms                 | 8 ms                 | 8 ms                 |
| Max Response Time      | 10 ms                | 10 ms                | 10 ms                | 10 ms                | 10 ms                |
| Viewing Angle          | 178°                 | 178°                 | 178°                 | 178°                 | 178°                 |
| Lifetime Hours         | 50,000 hours         | 50,000 hours         | 50,000 hours         | 50,000 hours         | 50,000 hours         |

| Power                     |                     |                     |                     |                     |                     |
|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Working Voltage           | AC100-240V Max 2.5A | AC100-240V Max 5.5A | AC100-240V Max 6.2A | AC100-240V Max 6.5A | AC100-240V Max 7.5A |
| Max Power Consumption     | ≤250W               | ≤550W               | ≤620W               | ≤650W               | ≤750W               |
| Eco Power Consumption     | <150W               | <150W               | <240W               | <270W               | <270W               |
| Standby Power Consumption | <0.5W               | <0.5W               | <0.5W               | <0.5W               | <0.5W               |
| ENERGY STAR® Compliant    | Yes                 | Yes                 | Yes                 | Yes                 | Yes                 |

| Touch                      |                                                               |                                                               |                                                               |                                                               |                                                               |
|----------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Touch Solution             | IR                                                            | IR                                                            | IR                                                            | IR                                                            | IR                                                            |
|                            | Anti-Glare + Anti-Fingerprint, + Antimicrobial Tempered Glass | Anti-Glare + Anti-Fingerprint, + Antimicrobial Tempered Glass | Anti-Glare + Anti-Fingerprint, + Antimicrobial Tempered Glass | Anti-Glare + Anti-Fingerprint, + Antimicrobial Tempered Glass | Anti-Glare + Anti-Fingerprint, + Antimicrobial Tempered Glass |
| Glass Surface Technology   |                                                               |                                                               |                                                               |                                                               |                                                               |
| Transparency               | 88%±3                                                         | 88%±3                                                         | 88%±3                                                         | 88%±3                                                         | 88%±3                                                         |
| Haze                       | by OC spec                                                    | by OC spec                                                    | by OC spec                                                    | by OC spec                                                    | by OC spec                                                    |
| Touch Surface Hardness     | 7H                                                            | 7H                                                            | 7H                                                            | 7H                                                            | 7H                                                            |
| Touch Points               | 20 Point                                                      | 20 Point                                                      | 20 Point                                                      | 20 Point                                                      | 20 Point                                                      |
| Touch Screen Writing Tools | Stylus or Finger                                              | Stylus or Finger                                              | Stylus or Finger                                              | Stylus or Finger                                              | Stylus or Finger                                              |

| Speakers           |                               |                               |                               |                               |                               |
|--------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Position           | Bottom Front                  | Bottom Front                  | Bottom Front                  | Bottom Front                  | Bottom Front                  |
| Rated Impedence    | 6Ω                            | 6Ω                            | 6Ω                            | 6Ω                            | 6Ω                            |
| Frequency Response | 180Hz-20KHz when SPL is -10dB | 180Hz-20KHz when SPL is -10dB | 180Hz-20KHz when SPL is -10dB | 180Hz-20KHz when SPL is -10dB | 180Hz-20KHz when SPL is -10dB |
| Output S.P.L.      | 0dB~-10dB                     | 0dB~-10dB                     | 0dB~-10dB                     | 0dB~-10dB                     | 0dB~-10dB                     |
| Max Power Output   | (2) 20W                       | (2) 20W                       | (2) 20W                       | (2) 20W                       | (2) 20W                       |

| Transportation/Storage      |                                  |                               |                               |                               |                                 |
|-----------------------------|----------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Storage Temperature         | 14°F - 113°F                     | 14°F - 113°F                  | 14°F - 113°F                  | 14°F - 113°F                  | 14°F - 113°F                    |
| Working Temperature         | 32°F - 104°F                     | 32°F - 104°F                  | 32°F - 104°F                  | 32°F - 104°F                  | 32°F - 104°F                    |
| Storage Humidity            | 0~90%RH (non-condensing)         | 0~90%RH (non-condensing)      | 0~90%RH (non-condensing)      | 0~90%RH (non-condensing)      | 0~90%RH (non-condensing)        |
| Working Humidity            | 20~80%RH (non-condensing)        | 20~80%RH (non-condensing)     | 20~80%RH (non-condensing)     | 20~80%RH (non-condensing)     | 20~80%RH (non-condensing)       |
| Mounting Options (optional) | Wall-mount or Mobile Stand       | Wall-mount or Mobile Stand    | Wall-mount or Mobile Stand    | Wall-mount or Mobile Stand    | Wall-mount or Mobile Stand      |
| VESA Mount Pattern          | 400x400mm                        | 600x400mm                     | 800x400mm                     | 800x400mm                     | 800x600mm                       |
| Outline Dimensions (in)     | 50.94 in. x 31.73 in. x 3.98 in. | 59.6 in. x 36.5 in. x 4.8 in. | 68.3 in. x 42.4 in. x 4.8 in. | 77.9 in. x 46.9 in. x 4.8 in. | 88.91 in. x 52.94 in. x 4.8 in. |
| Packing Dimensions (in)     | 55.6 x 36 x 7.2 in               | 64.6 x 40.8 x 8.7 in          | 73.2 x 45.6 x 8.9 in          | 87.4 x 50.7 x 9.8 in          | 96.1 x 65.3 x 17.7 in.          |
| Net Weight (lbs)            | 69.4 lbs                         | 85.9 lbs                      | 114.6 lbs                     | 143.3 lbs                     | 187.4 lbs                       |
| Gross Weight (lbs)          | 83.8 lbs                         | 110.2 lbs                     | 145.5 lbs                     | 180.8 lbs                     | 220.5 lbs                       |

| Embedded Operating System |                                                                                                                                                                                                                                                               |                      |                      |                      |                      |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|
| SoC Chipset               | Amlogic 311D2                                                                                                                                                                                                                                                 | Amlogic 311D2        | Amlogic 311D2        | Amlogic 311D2        | Amlogic 311D2        |
| RAM                       | 4 GB                                                                                                                                                                                                                                                          | 4 GB                 | 4 GB                 | 4 GB                 | 4 GB                 |
| ROM                       | 32GB                                                                                                                                                                                                                                                          | 32GB                 | 32GB                 | 32GB                 | 32GB                 |
| Android Version           | Android 11.0                                                                                                                                                                                                                                                  | Android 11.0         | Android 11.0         | Android 11.0         | Android 11.0         |
| Expandable Storage        | Up to 64GB (SD Card)                                                                                                                                                                                                                                          | Up to 64GB (SD Card) | Up to 64GB (SD Card) | Up to 64GB (SD Card) | Up to 64GB (SD Card) |
| Supported Files Formats   | Video: MPEG1, MPEG2, MPEG4, SorensonH.263, H.264, HEVC/H.265, MVC, AVS, AVS+, WMV3, VC1, Motion JPEG, VP8, VP9, RV30/RV40<br>Audio: MPEG1/2 @LAYER1; @LAYER2; @LAYER3, EAC3, ACC-LC, HEAAC, VORBIS, LPCM, IMA-ADPCM, MS-ADPCM, G711 A/MU-LAW, LBR(COOK), FLAC |                      |                      |                      |                      |
| Camera Module             | Optional                                                                                                                                                                                                                                                      | Optional             | Optional             | Optional             | Optional             |

| I/O Ports       |                                                                                                                                                                                                                                                                 |  |  |  |  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Front Interface | USB Type-C (PD 65W) x 1, HDMI 2.0 x 1, USB Type-B (Touch) x 1, USB (3.0) Type-A x 1, Mic in x 1                                                                                                                                                                 |  |  |  |  |
| Rear Interface  | HDMI IN 2.0 x 2; DisplayPort 1.2 x 1; USB Type-B (Touch) x 3; USB 3.0 Type-C (no PD) x 1; USB 3.0 Type-A x 2, USB 3.0 Type-A to Android x 1, HDMI OUT 2.0 x 1, RS232 x 1, RJ45 (Gigabit) IN x 1, RJ45 (Gigabit) OUT x 1, OPS x 1, SPDIF x 1, Audio Line out x 1 |  |  |  |  |
| Other           | Optional Wi-Fi module slot                                                                                                                                                                                                                                      |  |  |  |  |

| Camera Module (optional) |                    |  |  |  |  |
|--------------------------|--------------------|--|--|--|--|
| Camera Resolution        | 4K@ 30 Hz /UHD     |  |  |  |  |
| Field of View            | 120° FOV Lenses    |  |  |  |  |
| IR Camera                | 352 x 352 / 30 fps |  |  |  |  |
| Camera Tile Range        | 15°                |  |  |  |  |