

Q-SYS I/O Capacities

Q-Sys Core Maximum Channel Capacities

| | Local I/O | | Q-LAN Network | | AEC Channels (100/200/400 ms) | Core-to-Core Streaming Channels |
|--------------------------------------|------------------------|-----|---------------|-----|----------------------------------|------------------------------------|
| | In | Out | In | Out | | |
| Core 110f | 8 | 8 | 128 | 128 | 16/16/8 | 64x64 |
| | 8 Flex Ch. (In or Out) | | | | | |
| Core 250i | 64 | 64 | 64 (Flex) | | 60/40/20 | 16 (Flex) |
| | 8 card slots | | | | | |
| Core 500i | 128 | 128 | 128 (Flex) | | 48/32/16 | 128 (Flex) |
| | 8 card slots | | | | | |
| Core 1100 | 64 | 64 | 256 | 256 | 144/96/48 | 256 x 256 |
| | 1 card slot | | | | | |
| Core 3100 | 64 | 64 | 512 | 512 | 288/192/96 | 256 x 256 |
| | 1 card slot | | | | | |
| <i>Discontinued</i> Core 1000 | 32 | 32 | 128 (Flex) | | 24 | 128 (Flex) |
| | 1 card slot | | | | | |
| <i>Discontinued</i> Core 3000 | 32 | 32 | 128 | 128 | 72 | 128 x 128 |
| | 1 card slot | | | | | |
| <i>Discontinued</i> Core 4000 | 32 | 32 | 512 | 512 | 72 | 512 x 512 |
| | 1 card slot | | | | | |

Q-Sys I/O-Peripheral Maximum Channel Capacities

| | Local I/O | | Q-LAN Network | | GPIO | RS232 |
|---------------------|--------------|-----|---------------|-----|-----------------|-------|
| | In | Out | In | Out | | |
| I/O-22 | 2 | 2 | 2 | 2 | 8 Digital | 1 |
| | Fixed I/O | | | | | |
| I/O-Frame | 16 | 16 | 16 | 16 | 8 Configurable | 1 |
| | 4 card slots | | | | | |
| I/O-Frame 8s | 128 | 128 | 128 | 128 | 16 Configurable | 1 |
| | 8 card slots | | | | | |
| CXD-Q | 4 | 0 | 4 | 4 | 8 Configurable | 0 |
| | Fixed I/O | | | | | |
| Page Station | 1 | 1 | 2 | 1 | 4 Digital | 0 |
| | Fixed I/O | | | | | |

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Example Integrated Core Local I/O Card Configurations

| Core 250i | Core 250i Analogue | | | | Core 250i AES3 | | | | Core 250i Dante | | | |
|--------------|--------------------|-----------|-----------|--------------|----------------|-----------|-----------|--------------|-----------------|---------------|-----------|---------|
| | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs |
| | A | CIML4 | 4 | | A | CAES4 | 4 | 4 | A | CDN64 (64x64) | 64 | 64 |
| B | CIML4 | 4 | | B | CAES4 | 4 | 4 | B | Blank | | | |
| C | CIML4-HP | 4 | | C | CAES4 | 4 | 4 | C | Blank | | | |
| D | CIML4-HP | 4 | | D | CAES4 | 4 | 4 | D | Blank | | | |
| E | COL4 | | 4 | E | CAES4 | 4 | 4 | E | Blank | | | |
| F | COL4 | | 4 | F | CAES4 | 4 | 4 | F | Blank | | | |
| G | CODP4 | | 4 | G | CAES4 | 4 | 4 | G | Blank | | | |
| H | CODP4 | | 4 | H | CAES4 | 4 | 4 | H | Blank | | | |
| Total | | 16 | 16 | Total | | 32 | 32 | Total | | 64 | 64 | |
| OK! | | | | OK! | | | | OK! | | | | |

| Core 500i | Core 500i Analogue | | | | Core 500i AES3 | | | | Core 500i Dante | | | |
|--------------|--------------------|-----------|-----------|--------------|----------------|-----------|-----------|--------------|-----------------|---------------|------------|---------|
| | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs |
| | A | CIML4 | 4 | | A | CAES4 | 4 | 4 | A | CDN64 (64x64) | 64 | 64 |
| B | CIML4 | 4 | | B | CAES4 | 4 | 4 | B | CDN64 (64x64) | 64 | 64 | |
| C | CIML4-HP | 4 | | C | CAES4 | 4 | 4 | C | Blank | | | |
| D | CIML4-HP | 4 | | D | CAES4 | 4 | 4 | D | Blank | | | |
| E | COL4 | | 4 | E | CAES4 | 4 | 4 | E | Blank | | | |
| F | COL4 | | 4 | F | CAES4 | 4 | 4 | F | Blank | | | |
| G | CODP4 | | 4 | G | CAES4 | 4 | 4 | G | Blank | | | |
| H | CODP4 | | 4 | H | CAES4 | 4 | 4 | H | Blank | | | |
| Total | | 16 | 16 | Total | | 32 | 32 | Total | | 128 | 128 | |
| OK! | | | | OK! | | | | OK! | | | | |

Example Integrated Core Local I/O Card Configurations

| Core 250i | Core 250i Mixed | | | | Core 250i Mixed | | | |
|--------------|-----------------|---------------|-----------|----------------|-----------------|---------------|-----------|---------|
| | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs |
| | A | CDN64 (32x32) | 32 | 32 | A | CDN64 (32x32) | 32 | 32 |
| B | CCN32 (16x16) | 16 | 16 | B | CCN32 (32x32) | 32 | 32 | |
| C | CAES4 | 4 | 4 | C | CAES4 | 4 | 4 | |
| D | CAES4 | 4 | 4 | D | CAES4 | 4 | 4 | |
| E | CIML4-HP | 4 | | E | CIML4-HP | 4 | | |
| F | CIML4-HP | 4 | | F | CIML4-HP | 4 | | |
| G | COL4 | | 4 | G | COL4 | | 4 | |
| H | COL4 | | 4 | H | COL4 | | 4 | |
| Total | | 64 | 64 | Total | | 80 | 80 | |
| OK! | | | | NOT OK! | | | | |

| Core 500i | Core 500i Mixed | | | | Core 500i Mixed | | | |
|--------------|-----------------|---------------|------------|----------------|-----------------|---------------|------------|---------|
| | Card Slots | | Inputs | Outputs | Card Slots | | Inputs | Outputs |
| | A | CDN64 (64x64) | 64 | 64 | A | CDN64 (64x64) | 64 | 64 |
| B | CCN32 (32x32) | 32 | 32 | B | CCN32 (32x32) | 32 | 32 | |
| C | CAES4 | 4 | 4 | C | CCN32 (32x32) | 32 | 32 | |
| D | CAES4 | 4 | 4 | D | CAES4 | 4 | 4 | |
| E | CIML4-HP | 4 | | E | CAES4 | 4 | 4 | |
| F | CIML4-HP | 4 | | F | CAES4 | 4 | 4 | |
| G | COL4 | | 4 | G | COL4 | | 4 | |
| H | COL4 | | 4 | H | COL4 | | 4 | |
| Total | | 112 | 112 | Total | | 140 | 148 | |
| OK! | | | | NOT OK! | | | | |

